


**ENGINE**

**N030-55202-1115**  
 LABEL#: 201982986  
 SHOP JOB NUM : 12704  
 SAMPLE SHIP TIME (days) : 7  
**GALENA CONTRACTORS LTD**  
 RECEIVED DATE: 21-Jul-25


**EQUIP NUM: EX127**  
**CAT 325DFM\_CAT - CAT C7**  
 **No Action Required**

**SERIAL NUMBER: C7K01499**

**Interp By: Aron Balines**  
**Interpreted On: 24-Jul-25**

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. VISCOSITY INDICATES 30W; FUEL TEST IS NEGATIVE. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

**SAMPLE INFORMATION**

				
	14-Jul-25	20-Feb-25	22-Aug-24	17-May-24
Sample Id	N030-55202-1115	N030-55069-0132	N030-54247-0710	N030-54148-0174
Lab Date	21-Jul-25	10-Mar-25	03-Sep-24	27-May-24
Meter [Hr]	16304	15963	15277	150141
Comp Meter [Hr]	16304	15963	15277	150141
Meter On Fluid	341	339	263	324
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	15W-40	10W-30	15W-40	15W-40
Fluid Type	DURON SHP	DURON SHP	DURON SHP	DURON SHP
Fluid Change	Y	Y	U	Y
Filter Change	Y	Y	U	Y
Make Up Fluid [L]	28	28	28	28
Kidney Loop	U	U	U	U

**CONDITION / CONTAMINATION**

		14-Jul-25	20-Feb-25	22-Aug-24	17-May-24
<b>VISCOSITY (Centistokes)</b>					
V100	Viscosity at 100 C	11.00	10.80	13.00	13.10

		14-Jul-25	20-Feb-25	22-Aug-24	17-May-24
<b>VISCOSITY (Centistokes)</b>					
V40	Viscosity at 40 C	73.00	72.20	94.50	96.00

		14-Jul-25	20-Feb-25	22-Aug-24	17-May-24
<b>VISCOSITY INDEX</b>					
VI	Viscosity Index	141	138	135	135

		14-Jul-25	20-Feb-25	22-Aug-24	17-May-24
<b>INFRARED (UFM)</b>					
ST	Soot	10	10	25	41
OXI	Oxidation	14	16	14	14
SUL	Sulfate By-Product	20	20	20	20
	Sulfur Products	20	20	20	20
NIT	Nitration	7	7	6	6

		14-Jul-25	20-Feb-25	22-Aug-24	17-May-24
<b>ANTIFREEZE</b>					
A	Antifreeze	N	N	N	N

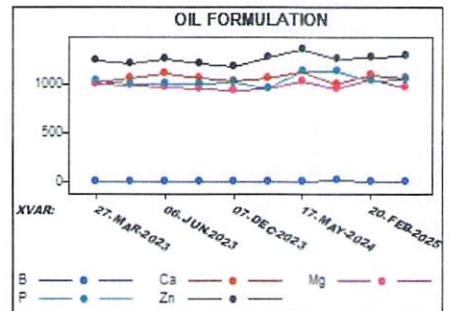
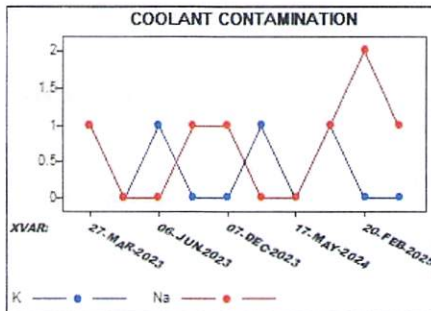
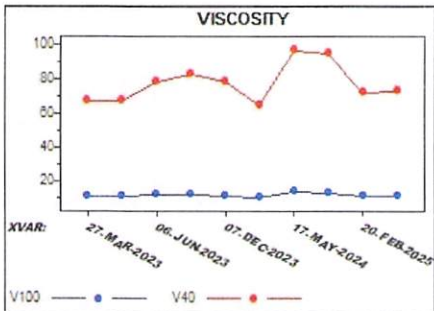
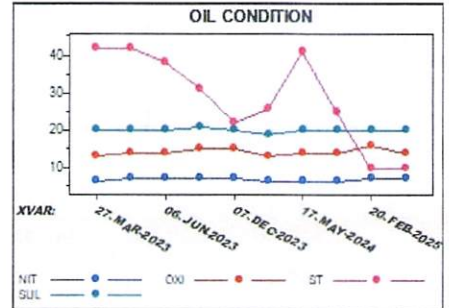
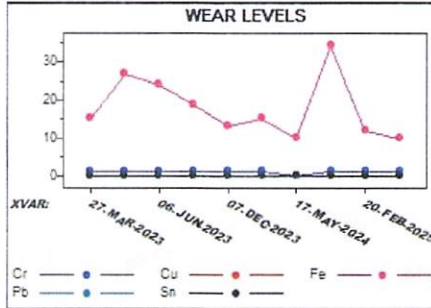
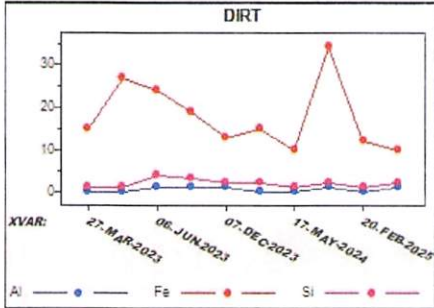
		14-Jul-25	20-Feb-25	22-Aug-24	17-May-24
<b>FUEL</b>					
F	Fuel	N	N	N	N

		14-Jul-25	20-Feb-25	22-Aug-24	17-May-24
<b>FUEL CONTENT (%)</b>					
PFc	Percent Fuel	0.43			

		14-Jul-25	20-Feb-25	22-Aug-24	17-May-24
<b>WATER</b>					
W	Water	N	N	N	N

**WEAR LEVELS / ADDITIVES**

		14-Jul-25	20-Feb-25	22-Aug-24	17-May-24
<b>ELEMENTAL ANALYSIS (ppm)</b>					
Na	Sodium	1	2	1	0
K	Potassium	0	0	1	0
Si	Silicon	2	1	2	1
Al	Aluminum	1	0	1	0
Fe	Iron	10	12	34	10
Cr	Chromium	1	1	1	0
Pb	Lead	0	0	0	0
Cu	Copper	0	0	0	0
Sn	Tin	0	0	0	0
Ni	Nickel	1	1	0	1
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1287	1279	1259	1348
Ca	Calcium	1060	1091	1008	1137
Mg	Magnesium	973	1048	957	1028
Ba	Barium	0	0	0	0
B	Boron	1	1	5	1
Mo	Molybdenum	60	63	59	62
P	Phosphorus	1047	1034	1123	1123



### Report Comment

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**ENGINE**

**N030-55069-0132**

LABEL#: 201733561

SAMPLE SHIP TIME (days) : 18

**GALENA CONTRACTORS**

**LTD**

RECEIVED DATE: 10-Mar-25

**EQUIP NUM: EX127**

**CAT 325DFM\_CAT - CAT C7**



**No Action Required**

**SERIAL NUMBER: C7K01499**

**Interp By: Greg Eyre**

**Interpreted On: 12-Mar-25**

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

**SAMPLE INFORMATION**

	20-Feb-25	22-Aug-24	17-May-24	22-Jan-24
Sampled Date	20-Feb-25	22-Aug-24	17-May-24	22-Jan-24
Sample Id	N030-55069-0132	N030-54247-0710	N030-54148-0174	N030-54031-0070
Lab Date	10-Mar-25	03-Sep-24	27-May-24	31-Jan-24
Meter [Hr]	15963	15277	150141	14328
Comp Meter [Hr]	15963	15277	150141	14328
Meter On Fluid	339	263	324	244
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	10W-30	15W-40	15W-40	10W-30
Fluid Type	DURON SHP	DURON SHP	DURON SHP	DURON SHP
Fluid Change	Y	U	Y	Y
Filter Change	Y	U	Y	Y
Make Up Fluid [L]	28	28	28	28
Kidney Loop	U	U	U	U

**CONDITION / CONTAMINATION**

		20-Feb-25	22-Aug-24	17-May-24	22-Jan-24
<b>VISCOSITY (Centistokes)</b>					
V100	Viscosity at 100 C	10.80	13.00	13.10	10.20

		20-Feb-25	22-Aug-24	17-May-24	22-Jan-24
<b>VISCOSITY (Centistokes)</b>					
V40	Viscosity at 40 C	72.20	94.50	96.00	64.50

		20-Feb-25	22-Aug-24	17-May-24	22-Jan-24
<b>VISCOSITY INDEX</b>					
VI	Viscosity Index	138	135	135	145

		20-Feb-25	22-Aug-24	17-May-24	22-Jan-24
<b>INFRARED (UFM)</b>					
ST	Soot	10	25	41	26
OXI	Oxidation	16	14	14	13
SUL	Sulfate By-Product	20	20	20	19
	Sulfur Products	20	20	20	19
NIT	Nitration	7	6	6	6

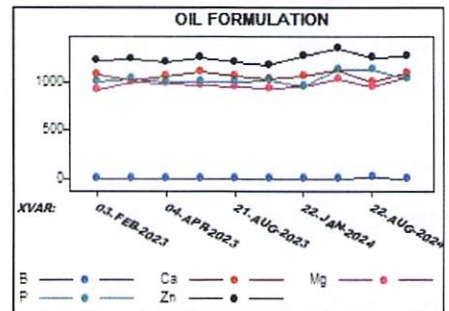
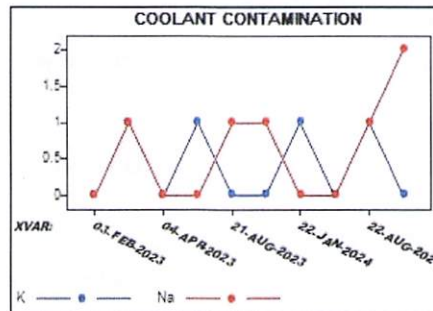
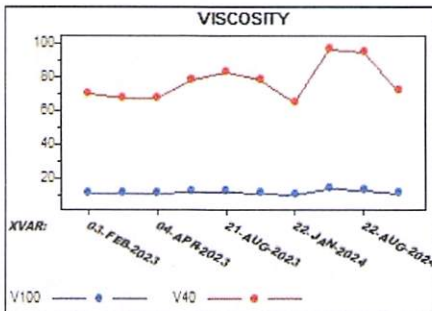
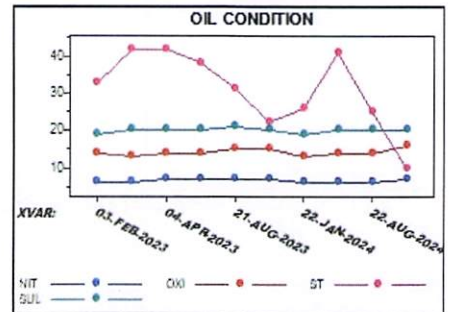
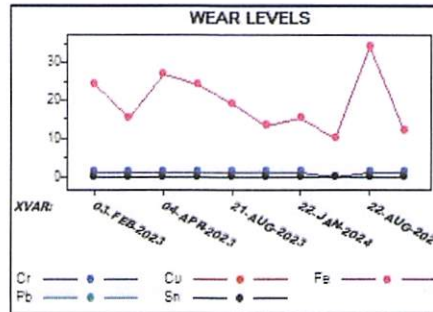
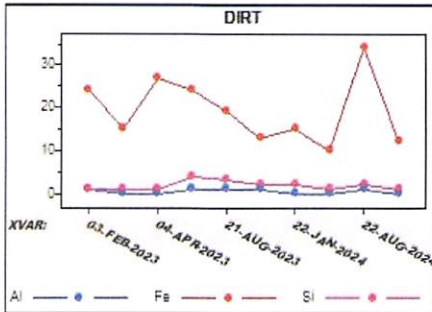
		20-Feb-25	22-Aug-24	17-May-24	22-Jan-24
<b>ANTIFREEZE</b>					
A	Antifreeze	N	N	N	N

		20-Feb-25	22-Aug-24	17-May-24	22-Jan-24
<b>FUEL</b>					
F	Fuel	N	N	N	N

		20-Feb-25	22-Aug-24	17-May-24	22-Jan-24
<b>WATER</b>					
W	Water	N	N	N	N

**WEAR LEVELS / ADDITIVES**

		20-Feb-25	22-Aug-24	17-May-24	22-Jan-24
<b>ELEMENTAL ANALYSIS (ppm)</b>					
Na	Sodium	2	1	0	0
K	Potassium	0	1	0	1
Si	Silicon	1	2	1	2
Al	Aluminum	0	1	0	0
Fe	Iron	12	34	10	15
Cr	Chromium	1	1	0	1
Pb	Lead	0	0	0	0
Cu	Copper	0	0	0	0
Sn	Tin	0	0	0	0
Ni	Nickel	1	0	1	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1279	1259	1348	1267
Ca	Calcium	1091	1008	1137	1069
Mg	Magnesium	1048	957	1028	954
Ba	Barium	0	0	0	0
B	Boron	1	5	1	1
Mo	Molybdenum	63	59	62	60
P	Phosphorus	1034	1123	1123	961



**Report Comment**

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJVUrs>. Access our online platform: <https://soswebmc.cat.com/cat-sos/samples>. Want to sign up for online portal?, Go Paperless? Or have any questions on SOS? Contact us 8:00am - 4:00pm MST M-F at SOS Support: 1-888-FINNING or [oilsupport@finning.com](mailto:oilsupport@finning.com).

**ENGINE**

**N030-54247-0710**  
 LABEL#: 201617963  
 SHOP JOB NUM : 127-04  
 SAMPLE SHIP TIME (days) : 12  
**GALENA CONTRACTORS**  
**LTD**  
 RECEIVED DATE: 03-Sep-24

**EQUIP NUM: EX127**  
**CAT 325DFM\_CAT - CAT C7**  
 **Monitor Compartment**

**SERIAL NUMBER: C7K01499**

**Interp By: Salvatore Borelli**  
**Interpreted On: 06-Sep-24**

ELEVATED IRON MAY BE ASSOCIATED WITH CAMSHAFT/CYLINDER LINERS/PISTONS/RINGS; ROCKER ARMS; PUSH RODS AND CRANKSHAFT WEAR. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL. SUGGEST OIL CHANGE. INSPECT OIL FILTER(S) FOR ANY EVIDENCE OF LARGER VISIBLE DEBRIS TRAPPED IN THE FILTER ELEMENT(S).

**SAMPLE INFORMATION**

	22-Aug-24	17-May-24	22-Jan-24	07-Dec-23
Sampled Date	22-Aug-24	17-May-24	22-Jan-24	07-Dec-23
Sample Id	N030-54247-0710	N030-54148-0174	N030-54031-0070	N030-53349-0196
Lab Date	03-Sep-24	27-May-24	31-Jan-24	15-Dec-23
Meter [Hr]	15277	150141	14328	14084
Comp Meter [Hr]	15277	150141	14328	14084
Meter On Fluid	263	324	244	250
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	15W-40	15W-40	10W-30	10W-30
Fluid Type	DURON SHP	DURON SHP	DURON SHP	DURON SHP
Fluid Change	U	Y	Y	Y
Filter Change	U	Y	Y	Y
Make Up Fluid [L]	28	28	28	28
Kidney Loop	U	U	U	U

**CONDITION / CONTAMINATION**

		22-Aug-24	17-May-24	22-Jan-24	07-Dec-23
<b>VISCOSITY (Centistokes)</b>					
V100	Viscosity at 100 C	13.00	13.10	10.20	11.10

		22-Aug-24	17-May-24	22-Jan-24	07-Dec-23
<b>VISCOSITY (Centistokes)</b>					
V40	Viscosity at 40 C	94.50	96.00	64.50	78.10

		22-Aug-24	17-May-24	22-Jan-24	07-Dec-23
<b>VISCOSITY INDEX</b>					
VI	Viscosity Index	135	135	145	131

		22-Aug-24	17-May-24	22-Jan-24	07-Dec-23
<b>INFRARED (UFM)</b>					
ST	Soot	25	41	26	22
OXI	Oxidation	14	14	13	15
SUL	Sulfur Products	20	20	19	20
NIT	Nitration	6	6	6	7

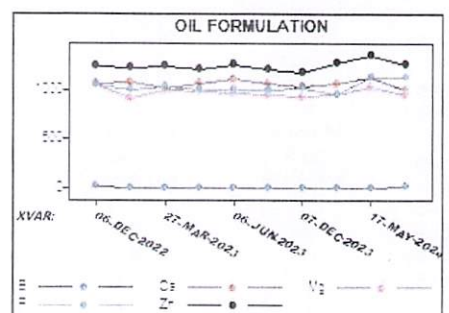
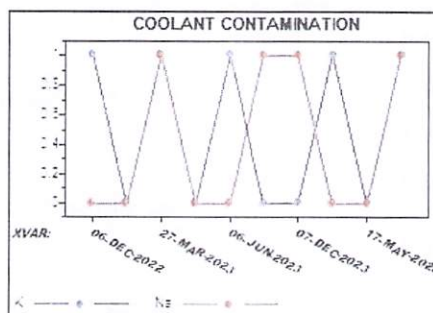
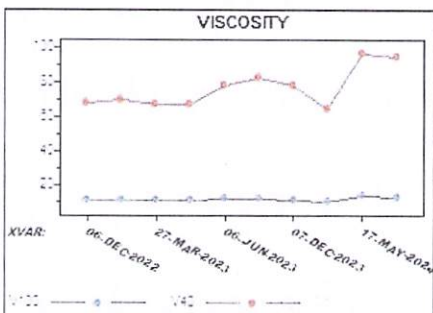
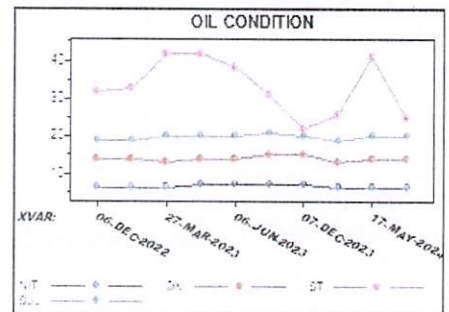
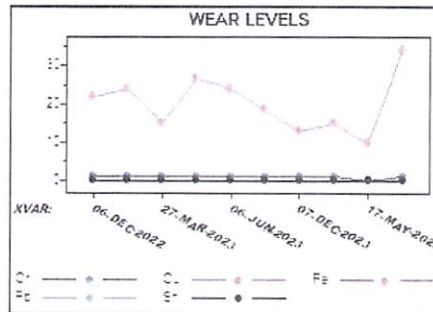
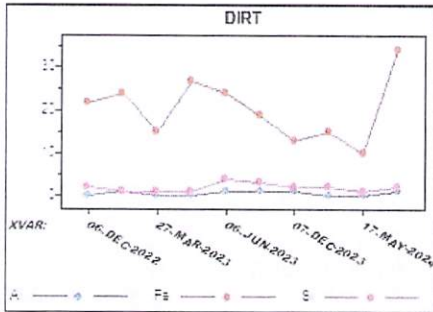
		22-Aug-24	17-May-24	22-Jan-24	07-Dec-23
<b>ANTIFREEZE</b>					
A	Antifreeze	N	N	N	N

		22-Aug-24	17-May-24	22-Jan-24	07-Dec-23
<b>FUEL</b>					
F	Fuel	N	N	N	N

		22-Aug-24	17-May-24	22-Jan-24	07-Dec-23
<b>WATER</b>					
W	Water	N	N	N	N

**WEAR LEVELS / ADDITIVES**

		22-Aug-24	17-May-24	22-Jan-24	07-Dec-23
<b>ELEMENTAL ANALYSIS (ppm)</b>					
Na	Sodium	1	0	0	1
K	Potassium	1	0	1	0
Si	Silicon	2	1	2	2
Al	Aluminum	1	0	0	1
Fe	Iron	34	10	15	13
Cr	Chromium	1	0	1	1
Pb	Lead	0	0	0	0
Cu	Copper	0	0	0	0
Sn	Tin	0	0	0	0
Ni	Nickel	0	1	0	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1259	1348	1267	1183
Ca	Calcium	1008	1137	1069	1039
Mg	Magnesium	957	1028	954	943
Ba	Barium	0	0	0	0
B	Boron	5	1	1	1
Mo	Molybdenum	59	62	60	60
P	Phosphorus	1123	1123	961	1023



Report Comment

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJVUrs>. Access our online platform: <https://soswebmc.cat.com/cat-sos/samples>. Want to sign up for online portal?, Go Paperless? Or have any questions on SOS? Contact us 8:00am - 4:00pm MST M-F at SOS Support: 1-888-FINNING or [oilsupport@finning.com](mailto:oilsupport@finning.com).

ENGINE

EQUIP NUM: EX127

SERIAL NUMBER: C7K01499

N030-54148-0174

SHOP JOB NUM : 127-04

SAMPLE SHIP TIME (days) : 10

**GALENA CONTRACTORS**

LTD

RECEIVED DATE: 27-May-24

CAT 325DFM\_CAT - CAT C7

No Action Required

Interp By: Salvatore Borelli

Interpreted On: 28-May-24

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

**SAMPLE INFORMATION**

	17-May-24	22-Jan-24	07-Dec-23	21-Aug-23
Sampled Date	17-May-24	22-Jan-24	07-Dec-23	21-Aug-23
Sample Id	N030-54148-0174	N030-54031-0070	N030-53349-0196	N030-53241-0304
Lab Date	27-May-24	31-Jan-24	15-Dec-23	29-Aug-23
Meter [Hr]	150141	14328	14084	13832
Comp Meter [Hr]	150141	14328	14084	13832
Meter On Fluid	324	244	250	254
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	15W-40	10W-30	10W-30	15W-40
Fluid Type	DURON SHP	DURON SHP	DURON SHP	DURON SHP
Fluid Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Make Up Fluid [L]	28	28	28	
Kidney Loop	U	U	U	U

**CONDITION / CONTAMINATION**

		17-May-24	22-Jan-24	07-Dec-23	21-Aug-23
<b>VISCOSITY (Centistokes)</b>					
V100	Viscosity at 100 C	13.10	10.20	11.10	11.60

		17-May-24	22-Jan-24	07-Dec-23	21-Aug-23
<b>VISCOSITY (Centistokes)</b>					
V40	Viscosity at 40 C	96.00	64.50	78.10	82.30

		17-May-24	22-Jan-24	07-Dec-23	21-Aug-23
<b>VISCOSITY INDEX</b>					
VI	Viscosity Index	135	145	131	133

		17-May-24	22-Jan-24	07-Dec-23	21-Aug-23
<b>INFRARED (UFM)</b>					
ST	Soot	41	26	22	31
OXI	Oxidation	14	13	15	15
SUL	Sulfur Products	20	19	20	21
NIT	Nitration	6	6	7	7

		17-May-24	22-Jan-24	07-Dec-23	21-Aug-23
<b>ANTIFREEZE</b>					
A	Antifreeze	N	N	N	N

		17-May-24	22-Jan-24	07-Dec-23	21-Aug-23
<b>FUEL</b>					
F	Fuel	N	N	N	N

		17-May-24	22-Jan-24	07-Dec-23	21-Aug-23
<b>FUEL CONTENT (%)</b>					
PFc	Percent Fuel				2.70

		17-May-24	22-Jan-24	07-Dec-23	21-Aug-23
<b>WATER</b>					
W	Water	N	N	N	N

**WEAR LEVELS / ADDITIVES**

		17-May-24	22-Jan-24	07-Dec-23	21-Aug-23
<b>ELEMENTAL ANALYSIS (ppm)</b>					
Na	Sodium	0	0	1	1
K	Potassium	0	1	0	0
Si	Silicon	1	2	2	3
Al	Aluminum	0	0	1	1
Fe	Iron	10	15	13	19
Cr	Chromium	0	1	1	1
Pb	Lead	0	0	0	0
Cu	Copper	0	0	0	0
Sn	Tin	0	0	0	0
Ni	Nickel	1	0	0	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1348	1267	1183	1212
Ca	Calcium	1137	1069	1039	1072
Mg	Magnesium	1028	954	943	951
Ba	Barium	0	0	0	0
B	Boron	1	1	1	0
Mo	Molybdenum	62	60	60	60
P	Phosphorus	1123	961	1023	1000



**ENGINE**

**N030-54100-0415**

LABEL#: 201531402

SHOP JOB NUM : 127-04

SAMPLE SHIP TIME (days) : 379

**GALENA CONTRACTORS**

**LTD**

RECEIVED DATE: 09-Apr-24

**EQUIP NUM: EX127**  
**CAT 325DFM\_CAT - CAT C7**

**No Action Required**

**SERIAL NUMBER: C7K01499**

**Interp By: Salvatore Borelli**  
**Interpreted On: 11-Apr-24**

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

**SAMPLE INFORMATION**

	27-Mar-23	03-Feb-23	06-Dec-22	24-Oct-22
Sampled Date	27-Mar-23	03-Feb-23	06-Dec-22	24-Oct-22
Sample Id	N030-54100-0415	N030-53044-1207	N030-52349-0889	N030-52311-0913
Lab Date	09-Apr-24	13-Feb-23	15-Dec-22	07-Nov-22
Meter [Hr]	14690	13056	12761	12526
Comp Meter [Hr]	14690	13056	12761	12526
Meter On Fluid	362	295	235	244
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	10W-30	10W-30	10W-30	15W-40
Fluid Type	DURON SHP	DURON SHP	DURON SHP	DURON SHP
Fluid Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Make Up Fluid [L]	28			
Kidney Loop	U	U	U	U

**CONDITION / CONTAMINATION**

		27-Mar-23	03-Feb-23	06-Dec-22	24-Oct-22
<b>VISCOSITY (Centistokes)</b>					
V100	Viscosity at 100 C	10.50	10.50	10.60	12.40
<b>VISCOSITY (Centistokes)</b>					
V40	Viscosity at 40 C	67.60	70.00	68.50	91.20
<b>VISCOSITY INDEX</b>					
VI	Viscosity Index	143	137	143	131

**WEAR LEVELS / ADDITIVES**

		27-Mar-23	03-Feb-23	06-Dec-22	24-Oct-22
<b>ELEMENTAL ANALYSIS (ppm)</b>					
Na	Sodium	1	0	0	1
K	Potassium	1	0	1	0
Si	Silicon	1	1	2	2
Al	Aluminum	0	1	0	1
Fe	Iron	15	24	22	11
Cr	Chromium	1	1	1	0
Pb	Lead	0	0	0	0
Cu	Copper	0	0	0	0
Sn	Tin	0	0	0	0
Ni	Nickel	0	0	1	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1249	1220	1248	1212
Ca	Calcium	1020	1075	1074	1077
Mg	Magnesium	1007	917	1044	1077
Ba	Barium	0	0	0	0
B	Boron	1	1	2	1
Mo	Molybdenum	59	60	63	56
P	Phosphorus	1039	996	1050	1033

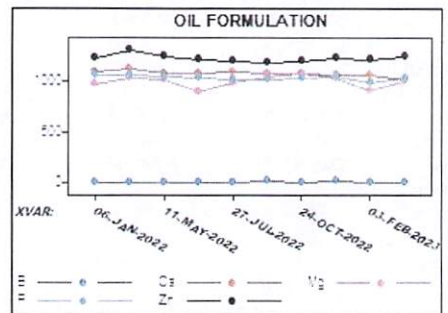
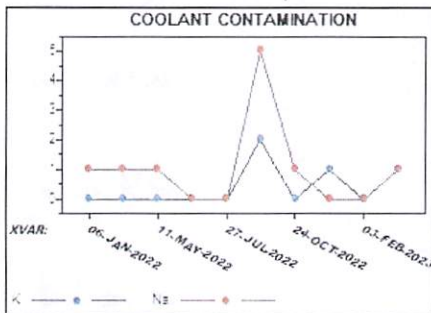
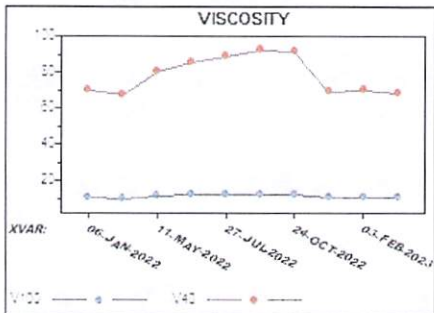
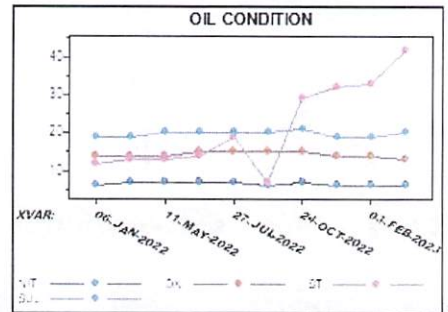
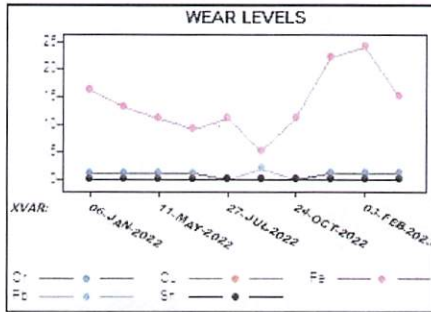
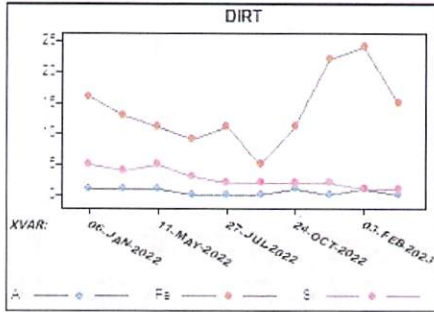
		27-Mar-23	03-Feb-23	06-Dec-22	24-Oct-22
<b>INFRARED (UFM)</b>					
ST	Soot	42	33	32	29
OXI	Oxidation	13	14	14	15
SUL	Sulfur Products	20	19	19	21
NIT	Nitration	6	6	6	7

		27-Mar-23	03-Feb-23	06-Dec-22	24-Oct-22
<b>ANTIFREEZE</b>					
A	Antifreeze	N	N	N	N

		27-Mar-23	03-Feb-23	06-Dec-22	24-Oct-22
<b>FUEL</b>					
F	Fuel	N	N	N	N

		27-Mar-23	03-Feb-23	06-Dec-22	24-Oct-22
<b>FUEL CONTENT (%)</b>					
PFc	Percent Fuel				2.33

		27-Mar-23	03-Feb-23	06-Dec-22	24-Oct-22
<b>WATER</b>					
W	Water	N	N	N	N




Report Comment

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJVUrs>. Access our online platform: <https://soswebmc.cat.com/cat-sos/samples>. Want to sign up for online portal?, Go Paperless? Or have any questions on SOS? Contact us 8:00am - 4:00pm MST M-F at SOS Support: 1-888-FINNING or oilsupport@finning.com.

**ENGINE**

N030-54031-0070  
 LABEL#: 201488187  
 SAMPLE SHIP TIME (days) : 9  
**GALENA CONTRACTORS**  
**LTD**  
 RECEIVED DATE: 31-Jan-24

EQUIP NUM: EX127  
 CAT 325DFM\_CAT - CAT C7  
 **No Action Required**

SERIAL NUMBER: C7K01499

Interp By: Gregory Scribner  
 Interpreted On: 01-Feb-24

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

**SAMPLE INFORMATION**

	22-Jan-24	07-Dec-23	21-Aug-23	06-Jun-23
Sampled Date	22-Jan-24	07-Dec-23	21-Aug-23	06-Jun-23
Sample Id	N030-54031-0070	N030-53349-0196	N030-53241-0304	N030-53165-0030
Lab Date	31-Jan-24	15-Dec-23	29-Aug-23	14-Jun-23
Meter [Hr]	14328	14084	13832	13578
Comp Meter [Hr]	14328	14084	13832	13578
Meter On Fluid	244	250	254	258
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	10W-30	10W-30	15W-40	15W-40
Fluid Type	DURON SHP	DURON SHP	DURON SHP	DURON SHP
Fluid Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Take Up Fluid [L]	28	28		
Washdown Loop	U	U	U	U

**CONDITION / CONTAMINATION**

		22-Jan-24	07-Dec-23	21-Aug-23	06-Jun-23
<b>VISCOSITY (Centistokes)</b>					
V100	Viscosity at 100 C	10.20	11.10	11.60	11.50
<b>VISCOSITY (Centistokes)</b>					
V40	Viscosity at 40 C	64.50	78.10	82.30	78.50
<b>VISCOSITY INDEX</b>					
VI	Viscosity Index	145	131	133	138

**WEAR LEVELS / ADDITIVES**

		22-Jan-24	07-Dec-23	21-Aug-23	06-Jun-23
<b>ELEMENTAL ANALYSIS (ppm)</b>					
Na	Sodium	0	1	1	0
K	Potassium	1	0	0	1
Si	Silicon	2	2	3	4
Al	Aluminum	0	1	1	1
Fe	Iron	15	13	19	24
Cr	Chromium	1	1	1	1
Pb	Lead	0	0	0	0
Cu	Copper	0	0	0	0
Sn	Tin	0	0	0	0
Ni	Nickel	0	0	0	1
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1267	1183	1212	1254
Ca	Calcium	1069	1039	1072	1111
Mg	Magnesium	954	943	951	975
Ba	Barium	0	0	0	0
B	Boron	1	1	0	1
Mo	Molybdenum	60	60	60	58
P	Phosphorus	961	1023	1000	1006

**INFRARED (UFM)**

		22-Jan-24	07-Dec-23	21-Aug-23	06-Jun-23
ST	Soot	26	22	31	38
OXI	Oxidation	13	15	15	14
SUL	Sulfur Products	19	20	21	20
NIT	Nitration	6	7	7	7

**ANTIFREEZE**

		22-Jan-24	07-Dec-23	21-Aug-23	06-Jun-23
A	Antifreeze	N	N	N	N

**FUEL**

		22-Jan-24	07-Dec-23	21-Aug-23	06-Jun-23
F	Fuel	N	N	N	N

**FUEL CONTENT (%)**

		22-Jan-24	07-Dec-23	21-Aug-23	06-Jun-23
PFC	Percent Fuel			2.70	2.66

**WATER**

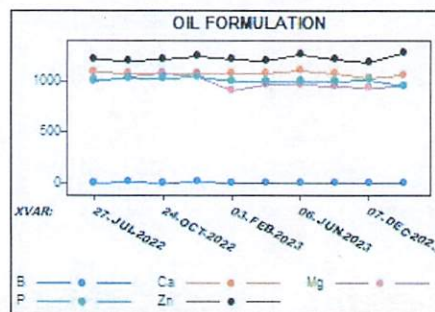
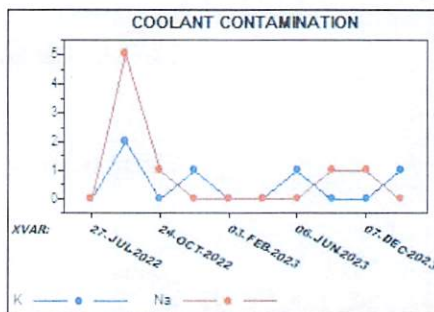
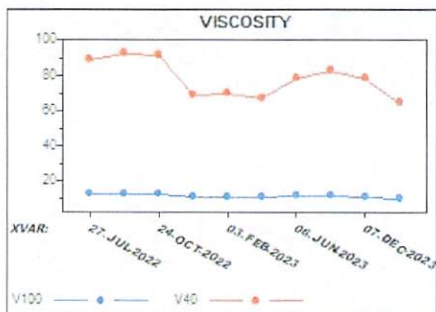
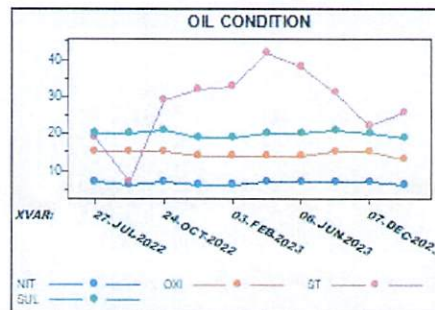
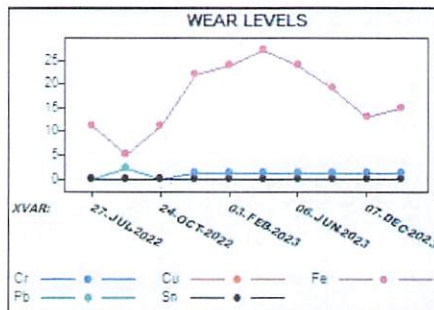
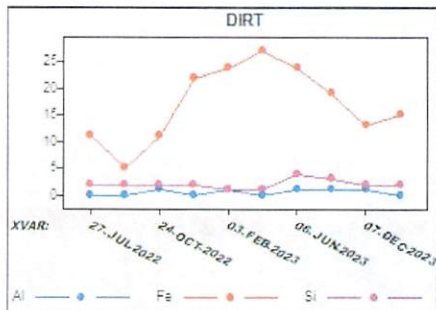
		22-Jan-24	07-Dec-23	21-Aug-23	06-Jun-23
W	Water	N	N	N	N

ENGINE  
 SERIAL NUMBER: C7K01499  
 EQUIP NUM: EX127  
 CAT 325DFM\_CAT - CAT C7

N030-54031-0070



No Action Required



Report Comment

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJVUrs>. Access our online platform: <https://soswebmc.cat.com/cat-sos/samples>. Want to sign up for online portal?. Go Paperless? Or have any questions on SOS? Contact us 8:00am - 4:00pm MST M-F at SOS Support: 1-888-FINNING or oilsupport@finning.com.

**HYDRAULIC SYSTEM**

1030-54031-0069

LABEL#: 201488198

SAMPLE SHIP TIME (days) : 9

**GALENA CONTRACTORS**

**LTD**

RECEIVED DATE: 31-Jan-24

EQUIP NUM: EX127

CAT 325DFM\_CAT

 **No Action Required**

SERIAL NUMBER: C7K01499

Interp By: Fluid Interpreter  
Interpreted On: 31-Jan-24

WEAR METAL ANALYSIS INDICATES ACCEPTABLE WEAR RATE. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.

**SAMPLE INFORMATION**

	22-Jan-24	24-Mar-23	05-Jul-22	12-Mar-20
Sampled Date	22-Jan-24	24-Mar-23	05-Jul-22	12-Mar-20
Sample Id	N030-54031-0069	N030-53093-0012	N030-52195-0438	N030-50079-0371
Lab Date	31-Jan-24	03-Apr-23	14-Jul-22	19-Mar-20
Meter [Hr]	14328	13265	12034	7878
Comp Meter [Hr]	14328	13265	12034	7878
Meter On Fluid	4430	3367	2136	7878
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	CAT
Fluid Weight	32-ISO	32-ISO	32-ISO	10
Fluid Type				HYD
Fluid Change	N	N	N	N
Filter Change	Y	Y	Y	Y
Kidney Loop	U	U	U	U

**CONDITION / CONTAMINATION**

22-Jan-24 24-Mar-23 05-Jul-22 12-Mar-20

**VISCOSITY (Centistokes)**

V100	Viscosity at 100 C	5.600	5.700	5.500	5.7
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**VISCOSITY (Centistokes)**

V40	Viscosity at 40 C	31.80	31.70	31.40	31.6
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**VISCOSITY INDEX**

VI	Viscosity Index	115	121	112	122
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**INFRARED (UFM)**

ST	Soot	0	0	0	0
OXI	Oxidation	2	3	3	4
SUL	Sulfur Products	12	11	12	13
NIT	Nitration	1	2	2	2

**ANTIFREEZE**

A	Antifreeze	N	N	N	N
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**WATER**

W	Water	N	N	N	N
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**WEAR LEVELS / ADDITIVES**

22-Jan-24 24-Mar-23 05-Jul-22 12-Mar-20

**ELEMENTAL ANALYSIS (ppm)**

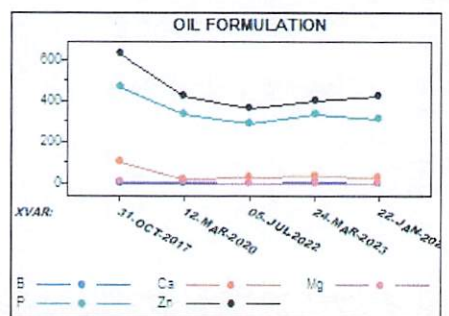
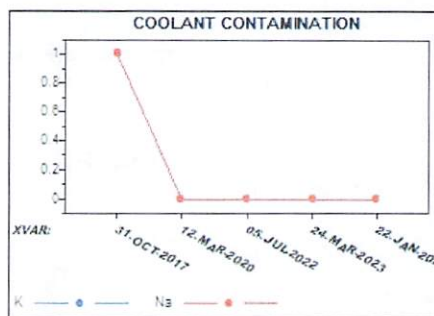
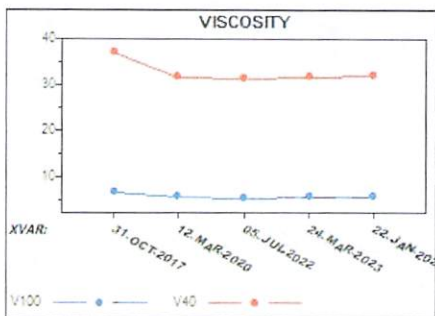
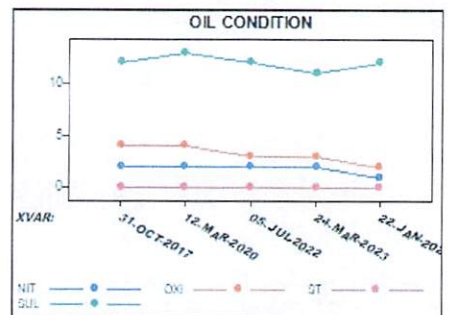
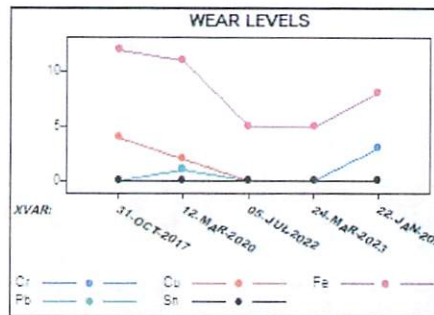
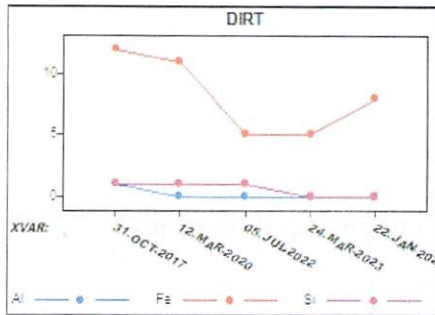
	22-Jan-24	24-Mar-23	05-Jul-22	12-Mar-20	
Na	Sodium	0	0	0	0
K	Potassium	0	0	0	0
Si	Silicon	0	0	1	1
Al	Aluminum	0	0	0	0
Fe	Iron	8	5	5	11
Cr	Chromium	3	0	0	1
Pb	Lead	0	0	0	1
Cu	Copper	0	0	0	2
Sn	Tin	0	0	0	0
Ni	Nickel	0	0	0	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	420	395	363	417
Ca	Calcium	26	32	25	22
Mg	Magnesium	0	0	0	1
Ba	Barium	0	0	0	0
B	Boron	0	2	0	0
Mo	Molybdenum	0	0	0	0
P	Phosphorus	307	331	287	327

**CLEANLINESS**

22-Jan-24 24-Mar-23 05-Jul-22 12-Mar-20

**PARTICLE COUNT**

ISO	ISO Code Rating	19/16/12	19/17/14	20/19/14	19/16/12
4µ	4µ	4452	4192	8399	3099
6µ	6µ	390	1285	2890	340
10µ	10µ	87	260	814	82
14µ	14µ	31	93	98	33
18µ	18µ	14	50	34	19
21µ	21µ	9	30	19	13
38µ	38µ	1	5	4	5
50µ	50µ	0	3	3	3




#### Report Comment

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**ENGINE**

N030-53349-0196  
 LABEL#: 201542422  
 SAMPLE SHIP TIME (days) : 8  
**GALENA CONTRACTORS LTD**  
 RECEIVED DATE: 15-Dec-23

EQUIP NUM: EX127  
 CAT 325DFM\_CAT - CAT C7  
 **No Action Required**

SERIAL NUMBER: C7K01499

Interp By: Fluid Interpreter  
 Interpreted On: 18-Dec-23

WEAR METAL ANALYSIS INDICATES ACCEPTABLE WEAR RATE. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.

**SAMPLE INFORMATION**

	07-Dec-23	21-Aug-23	06-Jun-23	04-Apr-23
Sampled Date	07-Dec-23	21-Aug-23	06-Jun-23	04-Apr-23
Sample Id	N030-53349-0196	N030-53241-0304	N030-53165-0030	N030-53102-0049
Lab Date	15-Dec-23	29-Aug-23	14-Jun-23	12-Apr-23
Meter [Hr]	14084	13832	13578	13320
Comp Meter [Hr]	14084	13832	13578	13320
Meter On Fluid	250	254	258	264
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	10W-30	15W-40	15W-40	10W-30
Fluid Type	DURON SHP	DURON SHP	DURON SHP	DURON SHP
Fluid Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Make Up Fluid [L]	28			
Washdown Loop	U	U	U	U

**CONDITION / CONTAMINATION**

07-Dec-23 21-Aug-23 06-Jun-23 04-Apr-23

**VISCOSITY (Centistokes)**

V100	Viscosity at 100 C	11.10	11.60	11.50	10.30
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**VISCOSITY (Centistokes)**

V40	Viscosity at 40 C	78.10	82.30	78.50	66.80
-----	-------------------	-------	-------	-------	-------

**VISCOSITY INDEX**

VJ	Viscosity Index	131	133	138	141
----	-----------------	-----	-----	-----	-----

**INFRARED (UFM)**

ST	Soot	22	31	38	42
OXI	Oxidation	15	15	14	14
SUL	Sulfur Products	20	21	20	20
NIT	Nitration	7	7	7	7

**ANTIFREEZE**

A	Antifreeze	N	N	N	N
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**FUEL**

F	Fuel	N	N	N	N
---	------	---	---	---	---

**FUEL CONTENT (%)**

PFC	Percent Fuel		2.70	2.66	
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**WATER**

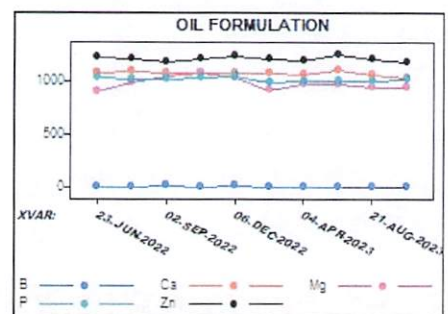
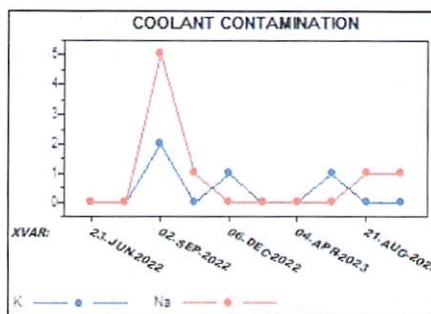
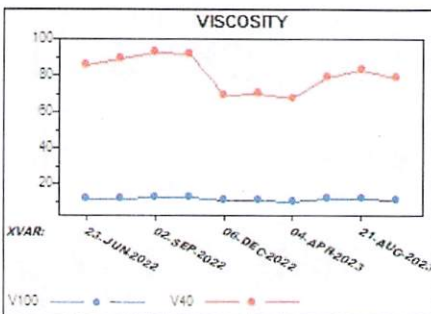
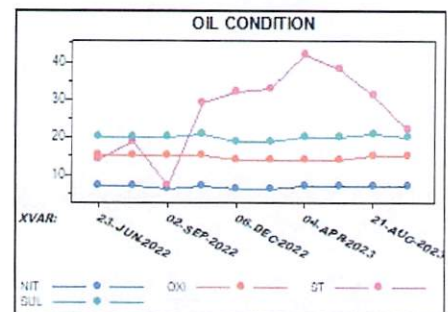
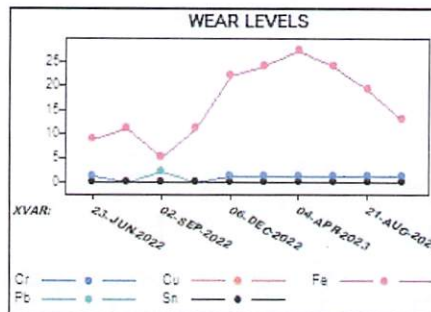
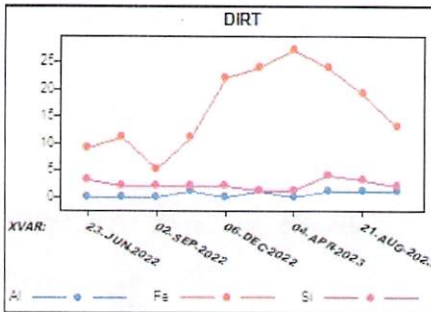
W	Water	N	N	N	N
---	-------	---	---	---	---

**WEAR LEVELS / ADDITIVES**

07-Dec-23 21-Aug-23 06-Jun-23 04-Apr-23

**ELEMENTAL ANALYSIS (ppm)**

	07-Dec-23	21-Aug-23	06-Jun-23	04-Apr-23	
Na	Sodium	1	1	0	0
K	Potassium	0	0	1	0
Si	Silicon	2	3	4	1
Al	Aluminum	1	1	1	0
Fe	Iron	13	19	24	27
Cr	Chromium	1	1	1	1
Pb	Lead	0	0	0	0
Cu	Copper	0	0	0	0
Sn	Tin	0	0	0	0
Ni	Nickel	0	0	1	1
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1183	1212	1254	1204
Ca	Calcium	1039	1072	1111	1072
Mg	Magnesium	943	951	975	979
Ba	Barium	0	0	0	0
B	Boron	1	0	1	1
Mo	Molybdenum	60	60	58	57
P	Phosphorus	1023	1000	1006	1003



### Report Comment

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ENGINE

EQUIP NUM: EX127

SERIAL NUMBER: C7K01499

N030-53241-0304


LABEL#: 201384318

SAMPLE SHIP TIME (days) : 8

**GALENA CONTRACTORS LTD**

RECEIVED DATE: 29-Aug-23

CAT 325DFM\_CAT - CAT C7

 No Action Required

Interp By: Peter Lewandowski

Interpreted On: 31-Aug-23

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

**SAMPLE INFORMATION**

	21-Aug-23	06-Jun-23	04-Apr-23	03-Feb-23
Sampled Date	21-Aug-23	06-Jun-23	04-Apr-23	03-Feb-23
Sample Id	N030-53241-0304	N030-53165-0030	N030-53102-0049	N030-53044-1207
Lab Date	29-Aug-23	14-Jun-23	12-Apr-23	13-Feb-23
Meter [Hr]	13832	13578	13320	13056
Comp Meter [Hr]	13832	13578	13320	13056
Meter On Fluid	254	258	264	295
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	15W-40	15W-40	10W-30	10W-30
Fluid Type	DURON SHP	DURON SHP	DURON SHP	DURON SHP
Oil Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Kidney Loop	U	U	U	U

**CONDITION / CONTAMINATION**

		21-Aug-23	06-Jun-23	04-Apr-23	03-Feb-23
<b>VISCOSITY (Centistokes)</b>					
V100	Viscosity at 100 C	11.60	11.50	10.30	10.50
<b>VISCOSITY (Centistokes)</b>					
V40	Viscosity at 40 C	82.30	78.50	66.80	70.00
<b>VISCOSITY INDEX</b>					
VI	Viscosity Index	133	138	141	137

**WEAR LEVELS / ADDITIVES**

	21-Aug-23	06-Jun-23	04-Apr-23	03-Feb-23	
<b>ELEMENTAL ANALYSIS (ppm)</b>					
Na	Sodium	1	0	0	0
K	Potassium	0	1	0	0
Si	Silicon	3	4	1	1
Al	Aluminum	1	1	0	1
Fe	Iron	19	24	27	24
Cr	Chromium	1	1	1	1
Pb	Lead	0	0	0	0
Cu	Copper	0	0	0	0
Sn	Tin	0	0	0	0
Ni	Nickel	0	1	1	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1212	1254	1204	1220
Ca	Calcium	1072	1111	1072	1075
Mg	Magnesium	951	975	979	917
Ba	Barium	0	0	0	0
B	Boron	0	1	1	1
Mo	Molybdenum	60	58	57	60
P	Phosphorus	1000	1006	1003	996

**INFRARED (UFM)**

		21-Aug-23	06-Jun-23	04-Apr-23	03-Feb-23
ST	Soot	31	38	42	33
OXI	Oxidation	15	14	14	14
SUL	Sulfur Products	21	20	20	19
NIT	Nitration	7	7	7	6

**ANTIFREEZE**

		21-Aug-23	06-Jun-23	04-Apr-23	03-Feb-23
A	Antifreeze	N	N	N	N

**FUEL**

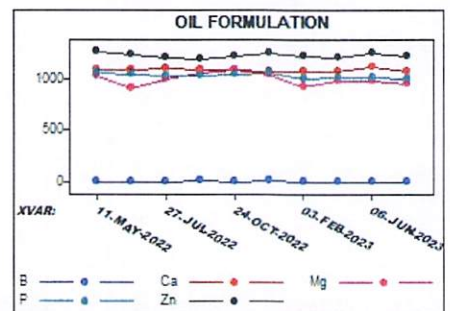
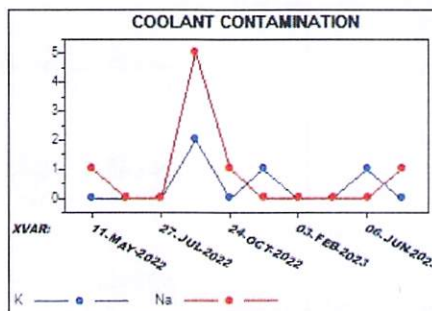
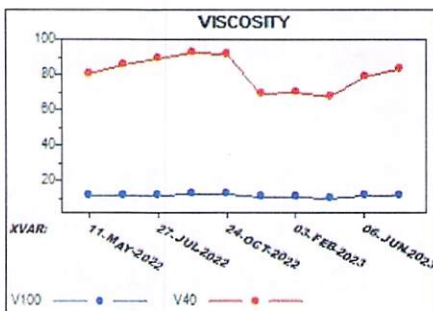
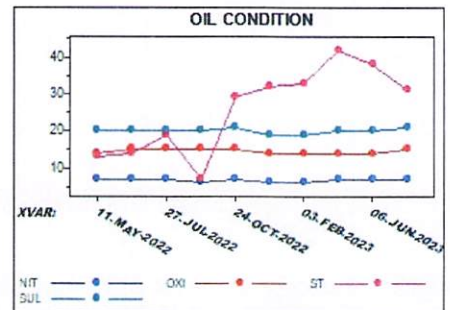
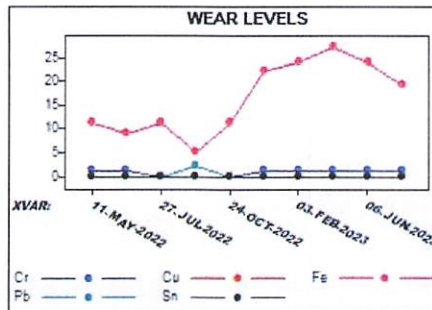
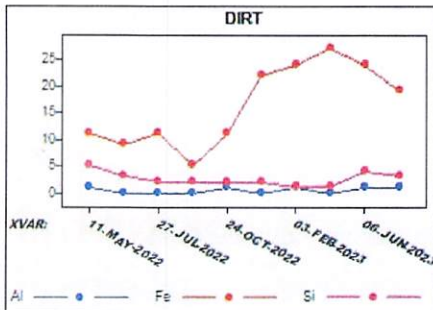
		21-Aug-23	06-Jun-23	04-Apr-23	03-Feb-23
F	Fuel	N	N	N	N

**FUEL CONTENT (%)**

		21-Aug-23	06-Jun-23	04-Apr-23	03-Feb-23
PFC	Percent Fuel	2.70	2.66		

**WATER**

		21-Aug-23	06-Jun-23	04-Apr-23	03-Feb-23
W	Water	N	N	N	N



Report Comment

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJVUrs>. Access our online platform: <https://soswebmc.cat.com/cat-sos/samples>. Want to sign up for online portal?, Go Paperless? Or have any questions on SOS? Contact us 8:00am - 4:00pm MST M-F at SOS Support: 1-888-FINNING or [oilsupport@finning.com](mailto:oilsupport@finning.com).

ENGINE

EQUIP NUM: EX127

SERIAL NUMBER: C7K01499

N030-53241-0304


LABEL#: 201384318

SAMPLE SHIP TIME (days) : 8

**GALENA CONTRACTORS LTD**

RECEIVED DATE: 29-Aug-23

CAT 325DFM\_CAT - CAT C7

 No Action Required

Interp By: Peter Lewandowski

Interpreted On: 31-Aug-23

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

**SAMPLE INFORMATION**

	21-Aug-23	06-Jun-23	04-Apr-23	03-Feb-23
Sampled Date	21-Aug-23	06-Jun-23	04-Apr-23	03-Feb-23
Sample Id	N030-53241-0304	N030-53165-0030	N030-53102-0049	N030-53044-1207
Lab Date	29-Aug-23	14-Jun-23	12-Apr-23	13-Feb-23
Meter [Hr]	13832	13578	13320	13056
Comp Meter [Hr]	13832	13578	13320	13056
Meter On Fluid	254	258	264	295
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	15W-40	15W-40	10W-30	10W-30
Fluid Type	DURON SHP	DURON SHP	DURON SHP	DURON SHP
Fluid Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Kidney Loop	U	U	U	U

**CONDITION / CONTAMINATION**

		21-Aug-23	06-Jun-23	04-Apr-23	03-Feb-23
<b>VISCOSITY (Centistokes)</b>					
V100	Viscosity at 100 C	11.60	11.50	10.30	10.50
<b>VISCOSITY (Centistokes)</b>					
V40	Viscosity at 40 C	82.30	78.50	66.80	70.00
<b>VISCOSITY INDEX</b>					
VI	Viscosity Index	133	138	141	137

**WEAR LEVELS / ADDITIVES**

	21-Aug-23	06-Jun-23	04-Apr-23	03-Feb-23	
<b>ELEMENTAL ANALYSIS (ppm)</b>					
Na	Sodium	1	0	0	0
K	Potassium	0	1	0	0
Si	Silicon	3	4	1	1
Al	Aluminum	1	1	0	1
Fe	Iron	19	24	27	24
Cr	Chromium	1	1	1	1
Pb	Lead	0	0	0	0
Cu	Copper	0	0	0	0
Sn	Tin	0	0	0	0
Ni	Nickel	0	1	1	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1212	1254	1204	1220
Ca	Calcium	1072	1111	1072	1075
Mg	Magnesium	951	975	979	917
Ba	Barium	0	0	0	0
B	Boron	0	1	1	1
Mo	Molybdenum	60	58	57	60
P	Phosphorus	1000	1006	1003	996

**INFRARED (UFM)**

		21-Aug-23	06-Jun-23	04-Apr-23	03-Feb-23
ST	Soot	31	38	42	33
OXI	Oxidation	15	14	14	14
SUL	Sulfur Products	21	20	20	19
NIT	Nitration	7	7	7	6

**ANTIFREEZE**

		21-Aug-23	06-Jun-23	04-Apr-23	03-Feb-23
A	Antifreeze	N	N	N	N

**FUEL**

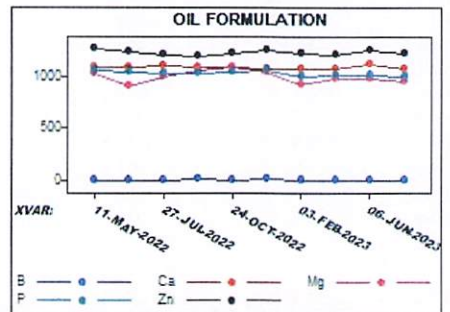
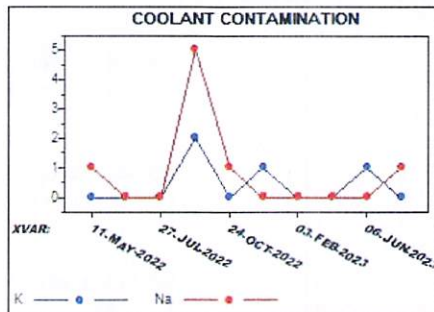
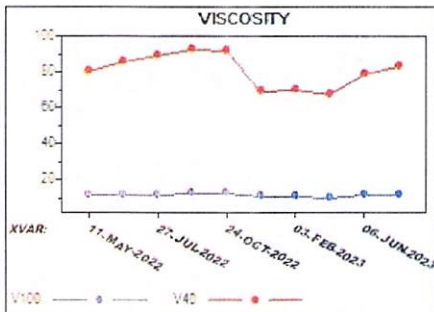
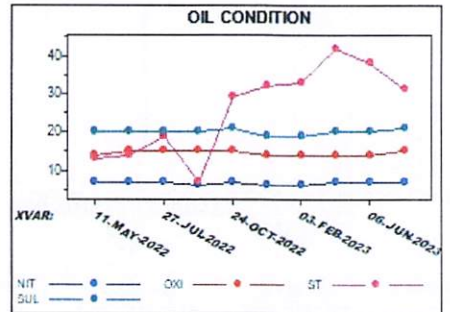
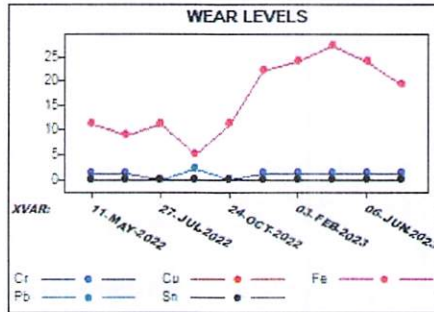
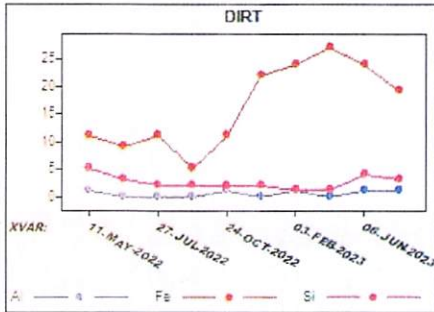
		21-Aug-23	06-Jun-23	04-Apr-23	03-Feb-23
F	Fuel	N	N	N	N

**FUEL CONTENT (%)**

		21-Aug-23	06-Jun-23
PFC	Percent Fuel	2.70	2.66

**WATER**

		21-Aug-23	06-Jun-23	04-Apr-23	03-Feb-23
W	Water	N	N	N	N



Report Comment

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJVUrs>. Access our online platform: <https://soswebmc.cat.com/cat-sos/samples>. Want to sign up for online portal?, Go Paperless? Or have any questions on SOS? Contact us 8:00am - 4:00pm MST M-F at SOS Support: 1-888-FINNING or [oilsupport@finning.com](mailto:oilsupport@finning.com).

**ENGINE**

**N030-53165-0030**

LABEL#: 201161717


SAMPLE SHIP TIME (days) : 8

**GALENA CONTRACTORS LTD**

RECEIVED DATE: 14-Jun-23

**EQUIP NUM: EX127**

**CAT 325DFM\_CAT - CAT C7**

 **No Action Required**

**SERIAL NUMBER: C7K01499**

**Interp By: Greg Eyre**

**Interpreted On: 15-Jun-23**

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. VISCOSITY INDICATES 30W OIL; FUEL TEST IS NEGATIVE. RESAMPLE TO MONITOR AT NEXT SERVICE INTERVAL.

**SAMPLE INFORMATION**

	06-Jun-23	04-Apr-23	03-Feb-23	06-Dec-22
Sampled Date	06-Jun-23	04-Apr-23	03-Feb-23	06-Dec-22
Sample Id	N030-53165-0030	N030-53102-0049	N030-53044-1207	N030-52349-0889
Lab Date	14-Jun-23	12-Apr-23	13-Feb-23	15-Dec-22
Meter [Hr]	13578	13320	13056	12761
Comp Meter [Hr]	13578	13320	13056	12761
Meter On Fluid	258	264	295	235
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	15W-40	10W-30	10W-30	10W-30
Fluid Type	DURON SHP	DURON SHP	DURON SHP	DURON SHP
Fluid Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Kidney Loop	U	U	U	U

**CONDITION / CONTAMINATION**

		06-Jun-23	04-Apr-23	03-Feb-23	06-Dec-22
<b>VISCOSITY (Centistokes)</b>					
V100	Viscosity at 100 C	11.50	10.30	10.50	10.60
<b>VISCOSITY (Centistokes)</b>					
V40	Viscosity at 40 C	78.50	66.80	70.00	68.50
<b>VISCOSITY INDEX</b>					
VI	Viscosity Index	138	141	137	143

**WEAR LEVELS / ADDITIVES**

	06-Jun-23	04-Apr-23	03-Feb-23	06-Dec-22
<b>ELEMENTAL ANALYSIS (ppm)</b>				
Na	Sodium	0	0	0
K	Potassium	1	0	1
Si	Silicon	4	1	2
Al	Aluminum	1	0	0
Fe	Iron	24	27	24
Cr	Chromium	1	1	1
Pb	Lead	0	0	0
Cu	Copper	0	0	0
Sn	Tin	0	0	0
Ni	Nickel	1	1	0
Ag	Silver	0	0	0
Ti	Titanium	0	0	0
V	Vanadium	0	0	0
Zn	Zinc	1254	1204	1220
Ca	Calcium	1111	1072	1075
Mg	Magnesium	975	979	917
Ba	Barium	0	0	0
B	Boron	1	1	1
Mo	Molybdenum	58	57	60
P	Phosphorus	1006	1003	996

**INFRARED (UFM)**

		06-Jun-23	04-Apr-23	03-Feb-23	06-Dec-22
ST	Soot	38	42	33	32
OXI	Oxidation	14	14	14	14
SUL	Sulfur Products	20	20	19	19
NIT	Nitration	7	7	6	6

**ANTIFREEZE**

		06-Jun-23	04-Apr-23	03-Feb-23	06-Dec-22
A	Antifreeze	N	N	N	N

**FUEL**

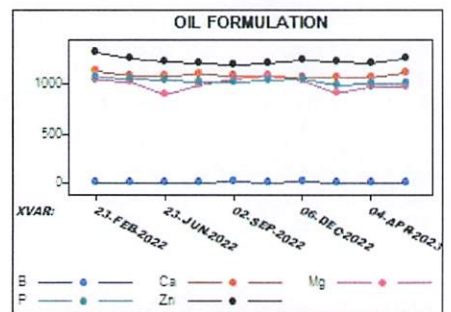
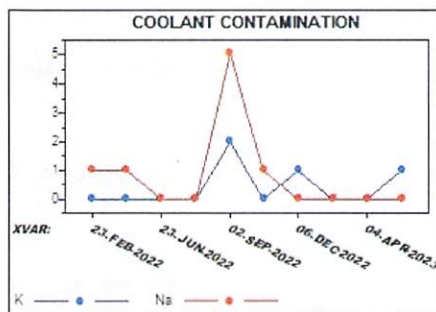
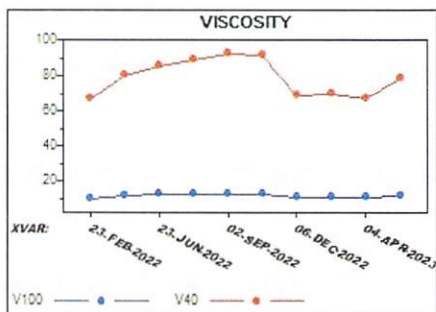
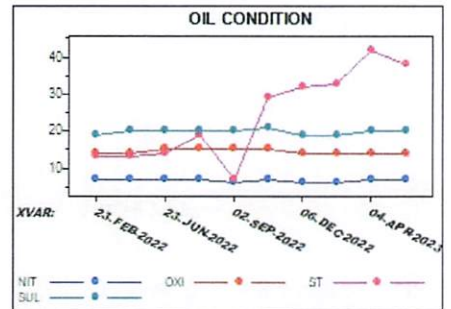
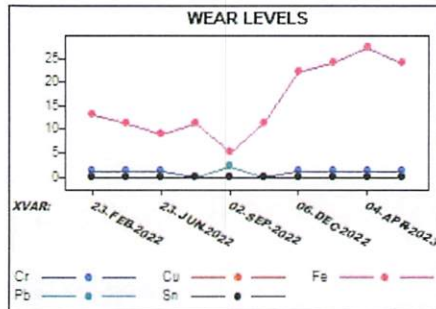
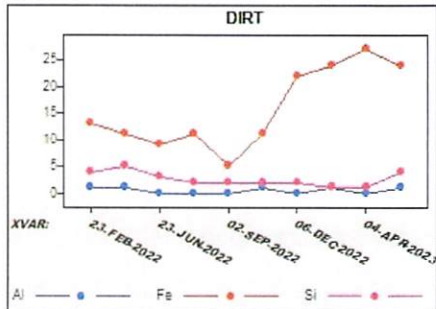
		06-Jun-23	04-Apr-23	03-Feb-23	06-Dec-22
F	Fuel	N	N	N	N

**FUEL CONTENT (%)**

		06-Jun-23
PFc	Percent Fuel	2.66

**WATER**

		06-Jun-23	04-Apr-23	03-Feb-23	06-Dec-22
W	Water	N	N	N	N



**Report Comment**

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJvUrs>. Access our online platform: <https://soswebmc.cat.com/cat-sos/samples>. Want to sign up for online portal?, Go Paperless? Or have any questions on SOS? Contact us 8:00am - 4:00pm MST M-F at SOS Support: 1-888-FINNING or [oilsupport@finning.com](mailto:oilsupport@finning.com).

**ENGINE**

EQUIP NUM: EX127  
 CAT 325DFM\_CAT - CAT C7  
 No Action Required

SERIAL NUMBER: C7K01499

Interp By: Gregory Scribner  
 Interpreted On: 17-Apr-23

N030-53102-0049  
 LABEL#: 201306169  
 SAMPLE SHIP TIME (days) : 8  
**GALENA CONTRACTORS LTD**  
 RECEIVED DATE: 12-Apr-23

SLIGHTLY ELEVATED IRON CONTENT. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

**SAMPLE INFORMATION**

	04-Apr-23	03-Feb-23	06-Dec-22	24-Oct-22
Sampled Date	04-Apr-23	03-Feb-23	06-Dec-22	24-Oct-22
Sample Id	N030-53102-0049	N030-53044-1207	N030-52349-0889	N030-52311-0913
Lab Date	12-Apr-23	13-Feb-23	15-Dec-22	07-Nov-22
Meter [Hr]	13320	13056	12761	12526
Comp Meter [Hr]	13320	13056	12761	12526
Meter On Fluid	264	295	235	244
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	10W-30	10W-30	10W-30	15W-40
Fluid Type	DURON SHP	DURON SHP	DURON SHP	DURON SHP
Oil Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Kidney Loop	U	U	U	U

**CONDITION / CONTAMINATION**

		04-Apr-23	03-Feb-23	06-Dec-22	24-Oct-22
<b>VISCOSITY (Centistokes)</b>					
V100	Viscosity at 100 C	10.30	10.50	10.60	12.40
<b>VISCOSITY (Centistokes)</b>					
V40	Viscosity at 40 C	66.80	70.00	68.50	91.20
<b>VISCOSITY INDEX</b>					
VI	Viscosity Index	141	137	143	131

**WEAR LEVELS / ADDITIVES**

		04-Apr-23	03-Feb-23	06-Dec-22	24-Oct-22
<b>ELEMENTAL ANALYSIS (ppm)</b>					
Na	Sodium	0	0	0	1
K	Potassium	0	0	1	0
Si	Silicon	1	1	2	2
Al	Aluminum	0	1	0	1
Fe	Iron	27	24	22	11
Cr	Chromium	1	1	1	0
Pb	Lead	0	0	0	0
Cu	Copper	0	0	0	0
Sn	Tin	0	0	0	0
Ni	Nickel	1	0	1	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1204	1220	1248	1212
Ca	Calcium	1072	1075	1074	1077
Mg	Magnesium	979	917	1044	1077
Ba	Barium	0	0	0	0
B	Boron	1	1	2	1
Mo	Molybdenum	57	60	63	56
P	Phosphorus	1003	996	1050	1033

**INFRARED (UFM)**

		04-Apr-23	03-Feb-23	06-Dec-22	24-Oct-22
ST	Soot	42	33	32	29
OXI	Oxidation	14	14	14	15
SUL	Sulfur Products	20	19	19	21
NIT	Nitration	7	6	6	7

**ANTIFREEZE**

		04-Apr-23	03-Feb-23	06-Dec-22	24-Oct-22
A	Antifreeze	N	N	N	N

**FUEL**

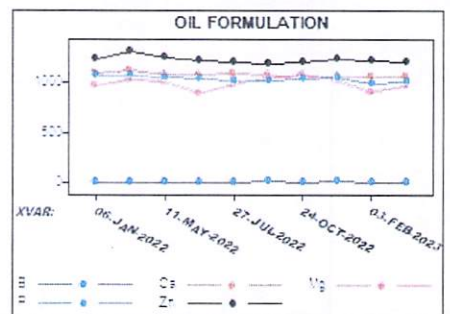
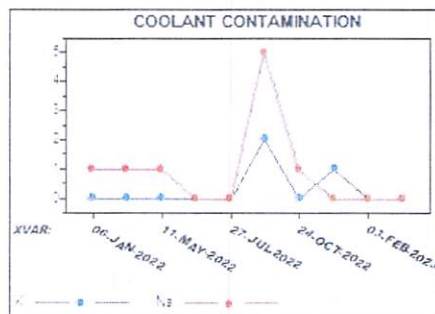
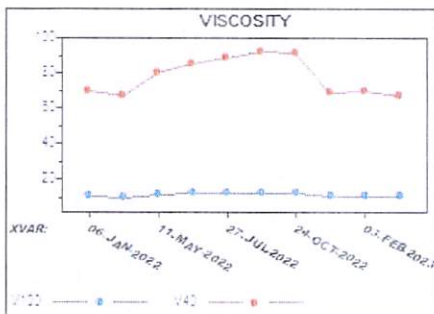
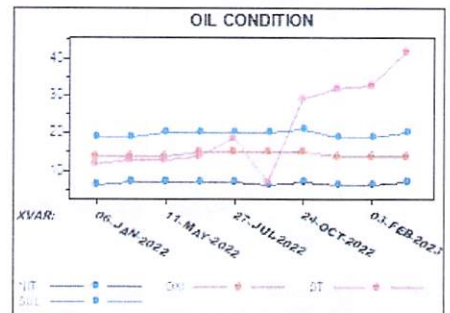
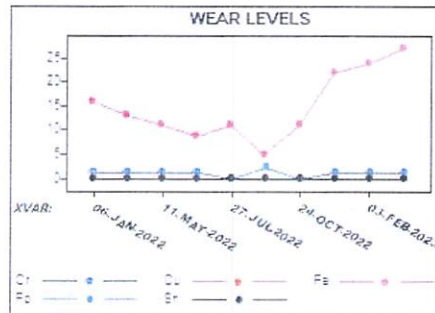
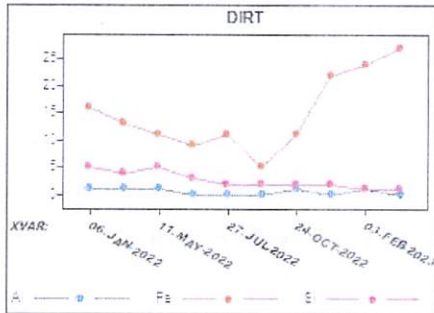
		04-Apr-23	03-Feb-23	06-Dec-22	24-Oct-22
F	Fuel	N	N	N	N

**FUEL CONTENT (%)**

		04-Apr-23	03-Feb-23	06-Dec-22	24-Oct-22
PFc	Percent Fuel				2.33

**WATER**

		04-Apr-23	03-Feb-23	06-Dec-22	24-Oct-22
W	Water	N	N	N	N



Report Comment

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJVUrs>. Access our online platform: <https://soswebmc.cat.com/cat-sos/samples>. Want to sign up for online portal?, Go Paperless? Or have any questions on SOS? Contact us 8:00am - 4:00pm MST M-F at SOS Support: 1-888-FINNING or [oilsupport@finning.com](mailto:oilsupport@finning.com).

**HYDRAULIC SYSTEM**

EQUIP NUM: EX127

SERIAL NUMBER: C7K01499

N030-53093-0012

LABEL#: 201307742

SAMPLE SHIP TIME (days) : 10

**GALENA CONTRACTORS**

LTD

RECEIVED DATE: 03-Apr-23

CAT 325DFM\_CAT



No Action Required

Interp By: Fluid Interpreter

Interpreted On: 05-Apr-23

WEAR METAL ANALYSIS INDICATES ACCEPTABLE WEAR RATE. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.

**SAMPLE INFORMATION**

	24-Mar-23	05-Jul-22	12-Mar-20	31-Oct-17
Sample Id	N030-53093-0012	N030-52195-0438	N030-50079-0371	N030-47311-0598
Lab Date	03-Apr-23	14-Jul-22	19-Mar-20	07-Nov-17
Meter [Hr]	13265	12034	7878	3017
Comp Meter [Hr]	13265	12034	7878	3017
Meter On Fluid	3367	2136	7878	3017
Fluid Brand	PETRO-CAN	PETRO-CAN	CAT	CAT
Fluid Weight	32-ISO	32-ISO	10	10
Fluid Type			HYD	HYD
Fluid Change	N	N	N	N
Filter Change	Y	Y	Y	Y
Kidney Loop	U	U	U	U

**CONDITION / CONTAMINATION**

24-Mar-23 05-Jul-22 12-Mar-20 31-Oct-17

**VISCOSITY (Centistokes)**

V100	Viscosity at 100 C	5.700	5.500	5.7	6.8
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**VISCOSITY (Centistokes)**

V40	Viscosity at 40 C	31.70	31.40	31.6	36.8
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**VISCOSITY INDEX**

VI	Viscosity Index	121	112	122	145
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**INFRARED (UFM)**

	24-Mar-23	05-Jul-22	12-Mar-20	31-Oct-17	
ST	Soot	0	0	0	0
OXI	Oxidation	3	3	4	4
SUL	Sulfur Products	11	12	13	12
NIT	Nitration	2	2	2	2

**ANTIFREEZE**

A	Antifreeze	N	N	N	N
---	------------	---	---	---	---

**FUEL**

F	Fuel				N
---	------	--	--	--	---

**WATER**

W	Water	N	N	N	N
---	-------	---	---	---	---

**CLEANLINESS**

24-Mar-23 05-Jul-22 12-Mar-20 31-Oct-17

**PARTICLE COUNT**

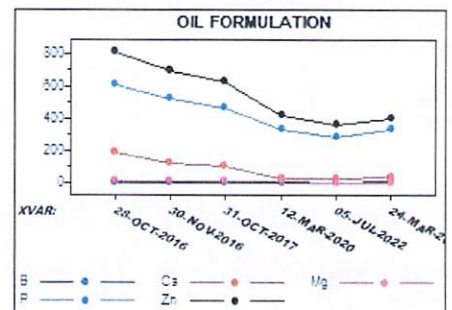
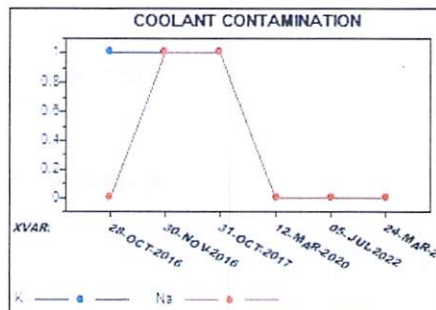
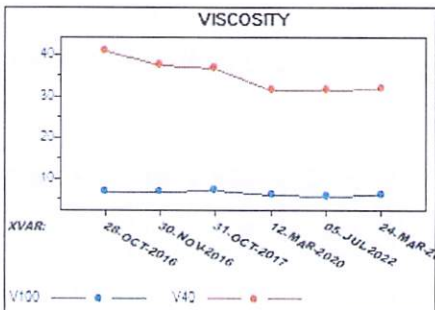
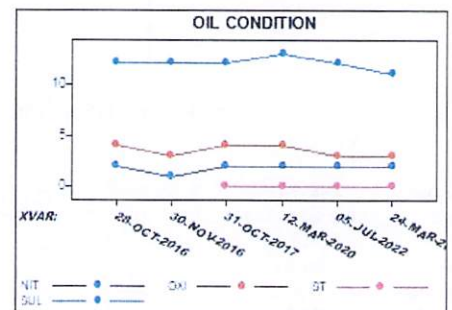
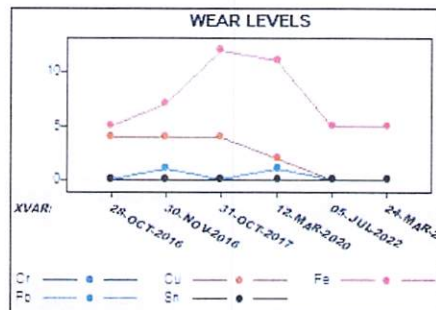
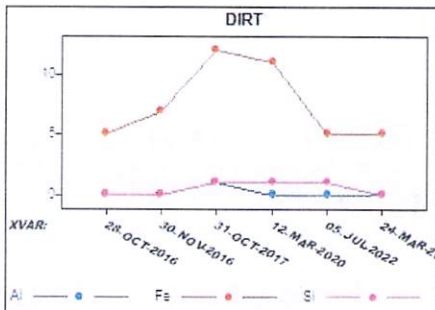
ISO	ISO Code Rating	24-Mar-23	05-Jul-22	12-Mar-20	31-Oct-17
4µ	4µ	19/17/14	20/19/14	19/16/12	19/17/15
6µ	6µ	4192	8399	3099	3962
10µ	10µ	1285	2890	340	1034
14µ	14µ	260	814	82	517
18µ	18µ	93	98	33	212
21µ	21µ	50	34	19	98
38µ	38µ	30	19	13	73
50µ	50µ	5	4	5	7
		3	3	3	2

**WEAR LEVELS / ADDITIVES**

24-Mar-23 05-Jul-22 12-Mar-20 31-Oct-17

**ELEMENTAL ANALYSIS (ppm)**

	24-Mar-23	05-Jul-22	12-Mar-20	31-Oct-17	
Na	Sodium	0	0	0	1
K	Potassium	0	0	0	1
Si	Silicon	0	1	1	1
Al	Aluminum	0	0	0	1
Fe	Iron	5	5	11	12
Cr	Chromium	0	0	1	0
Pb	Lead	0	0	1	0
Cu	Copper	0	0	2	4
Sn	Tin	0	0	0	0
Ni	Nickel	0	0	0	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	395	363	417	624
Ca	Calcium	32	25	22	104
Mg	Magnesium	0	0	1	2
Ba	Barium	0	0	0	1
B	Boron	2	0	0	0
Mo	Molybdenum	0	0	0	1
P	Phosphorus	331	287	327	467




Report Comment

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJVUrs>. Access our online platform: <https://soswebmc.cat.com/cat-sos/samples>. Want to sign up for online portal?, Go Paperless? Or have any questions on SOS? Contact us 8:00am - 4:00pm MST M-F at SOS Support: 1-888-FINNING or [oilsupport@finning.com](mailto:oilsupport@finning.com).

**ENGINE**

**N030-53044-1207**  
 LABEL#: 200402382  
 SAMPLE SHIP TIME (days) : 10  
**GALENA CONTRACTORS**  
**LTD**  
 RECEIVED DATE: 13-Feb-23

**EQUIP NUM: EX127**  
**CAT 325DFM\_CAT - CAT C7**  
 **No Action Required**

**SERIAL NUMBER: C7K01499**

**Interp By: Gregory Scribner**  
**Interpreted On: 16-Feb-23**

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

**SAMPLE INFORMATION**

	03-Feb-23	06-Dec-22	24-Oct-22	02-Sep-22
Sampled Date	03-Feb-23	06-Dec-22	24-Oct-22	02-Sep-22
Sample Id	N030-53044-1207	N030-52349-0889	N030-52311-0913	N030-52258-0197
Lab Date	13-Feb-23	15-Dec-22	07-Nov-22	15-Sep-22
Meter [Hr]	13056	12761	12526	12282
Comp Meter [Hr]	13056	12761	12526	12282
Meter On Fluid	295	235	244	82
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	10W-30	10W-30	15W-40	15W-40
Fluid Type	DURON SHP	DURON SHP	DURON SHP	DURON SHP
Fluid Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Oil Drain Loop	U	U	U	U

**CONDITION / CONTAMINATION**

		03-Feb-23	06-Dec-22	24-Oct-22	02-Sep-22
<b>VISCOSITY (Centistokes)</b>					
V100	Viscosity at 100 C	10.50	10.60	12.40	12.50
<b>VISCOSITY (Centistokes)</b>					
V40	Viscosity at 40 C	70.00	68.50	91.20	91.90
<b>VISCOSITY INDEX</b>					
VI	Viscosity Index	137	143	131	131

**WEAR LEVELS / ADDITIVES**

	03-Feb-23	06-Dec-22	24-Oct-22	02-Sep-22	
<b>ELEMENTAL ANALYSIS (ppm)</b>					
Na	Sodium	0	0	1	5
K	Potassium	0	1	0	2
Si	Silicon	1	2	2	2
Al	Aluminum	1	0	1	0
Fe	Iron	24	22	11	5
Cr	Chromium	1	1	0	0
Pb	Lead	0	0	0	2
Cu	Copper	0	0	0	0
Sn	Tin	0	0	0	0
Ni	Nickel	0	1	0	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1220	1248	1212	1192
Ca	Calcium	1075	1074	1077	1080
Mg	Magnesium	917	1044	1077	1053
Ba	Barium	0	0	0	0
B	Boron	1	2	1	4
Mo	Molybdenum	60	63	56	59
P	Phosphorus	996	1050	1033	1027

**INFRARED (UFM)**

		03-Feb-23	06-Dec-22	24-Oct-22	02-Sep-22
ST	Soot	33	32	29	7
OXI	Oxidation	14	14	15	15
SUL	Sulfur Products	19	19	21	20
NIT	Nitration	6	6	7	6

**ANTIFREEZE**

		03-Feb-23	06-Dec-22	24-Oct-22	02-Sep-22
A	Antifreeze	N	N	N	N

**FUEL**

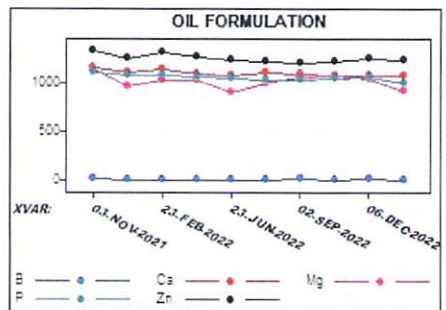
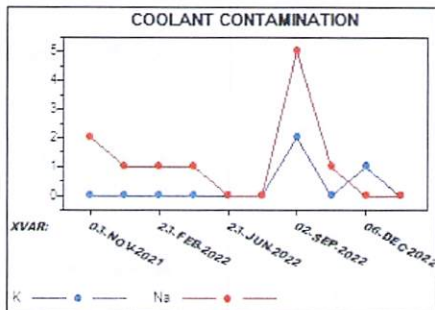
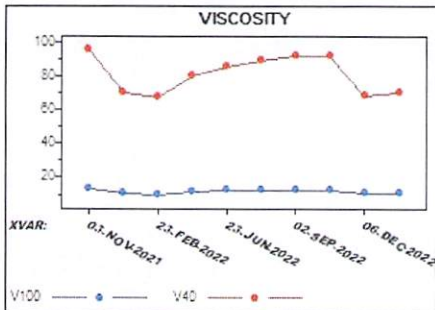
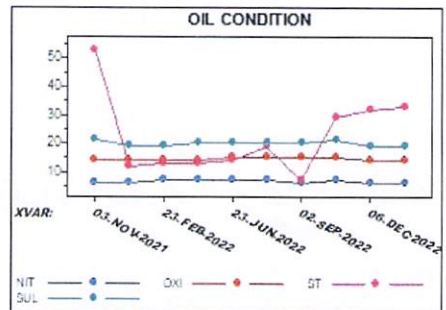
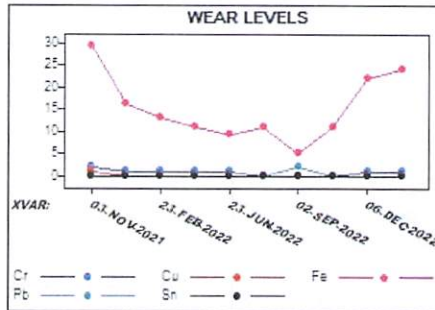
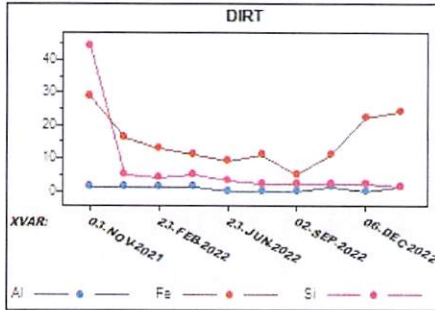
		03-Feb-23	06-Dec-22	24-Oct-22	02-Sep-22
F	Fuel	N	N	N	N

**FUEL CONTENT (%)**

		03-Feb-23	06-Dec-22	24-Oct-22	02-Sep-22
PFc	Percent Fuel			2.33	

**WATER**

		03-Feb-23	06-Dec-22	24-Oct-22	02-Sep-22
W	Water	N	N	N	N



Report Comment

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJVUrs>. Access our online platform: <https://soswebmc.cat.com/cat-sos/samples>. Want to sign up for online portal?, Go Paperless? Or have any questions on SOS? Contact us 8:00am - 4:00pm MST M-F at SOS Support: 1-888-FINNING or oilsupport@finning.com.

**ENGINE**
**EQUIP NUM: EX127**
**SERIAL NUMBER: C7K01499**
**N030-52349-0889**

LABEL#: 201125057

SAMPLE SHIP TIME (days) : 9

**GALENA CONTRACTORS LTD**

RECEIVED DATE: 15-Dec-22

**CAT 325DFM\_CAT - CAT C7**
**No Action Required**
**Interp By: Greg Eyre**
**Interpreted On: 20-Dec-22**

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

**SAMPLE INFORMATION**

	06-Dec-22	24-Oct-22	02-Sep-22	27-Jul-22
Sampled Date	06-Dec-22	24-Oct-22	02-Sep-22	27-Jul-22
Sample Id	N030-52349-0889	N030-52311-0913	N030-52258-0197	N030-52216-0398
Lab Date	15-Dec-22	07-Nov-22	15-Sep-22	04-Aug-22
Meter [Hr]	12761	12526	12282	12200
Comp Meter [Hr]	12761	12526	12282	12200
Meter On Fluid	235	244	82	234
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	10W-30	15W-40	15W-40	15W-40
Fluid Type	DURON SHP	DURON SHP	DURON SHP	DURON SHP
Oil Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Kidney Loop	U	U	U	U

**CONDITION / CONTAMINATION**

		06-Dec-22	24-Oct-22	02-Sep-22	27-Jul-22
<b>VISCOSITY (Centistokes)</b>					
V100	Viscosity at 100 C	10.60	12.40	12.50	12.10
<b>VISCOSITY (Centistokes)</b>					
V40	Viscosity at 40 C	68.50	91.20	91.90	88.50
<b>VISCOSITY INDEX</b>					
VI	Viscosity Index	143	131	131	130

**WEAR LEVELS / ADDITIVES**

	06-Dec-22	24-Oct-22	02-Sep-22	27-Jul-22	
<b>ELEMENTAL ANALYSIS (ppm)</b>					
Na	Sodium	0	1	5	0
K	Potassium	1	0	2	0
Si	Silicon	2	2	2	2
Al	Aluminum	0	1	0	0
Fe	Iron	22	11	5	11
Cr	Chromium	1	0	0	0
Pb	Lead	0	0	2	0
Cu	Copper	0	0	0	0
Sn	Tin	0	0	0	0
Ni	Nickel	1	0	0	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1248	1212	1192	1210
Ca	Calcium	1074	1077	1080	1095
Mg	Magnesium	1044	1077	1053	995
Ba	Barium	0	0	0	0
B	Boron	2	1	4	0
Mo	Molybdenum	63	56	59	61
P	Phosphorus	1050	1033	1027	1024

**INFRARED (UFM)**

		06-Dec-22	24-Oct-22	02-Sep-22	27-Jul-22
ST	Soot	32	29	7	19
OXI	Oxidation	14	15	15	15
SUL	Sulfur Products	19	21	20	20
NIT	Nitration	6	7	6	7

**ANTIFREEZE**

		06-Dec-22	24-Oct-22	02-Sep-22	27-Jul-22
A	Antifreeze	N	N	N	N

**FUEL**

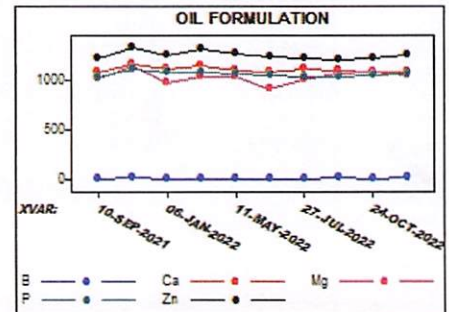
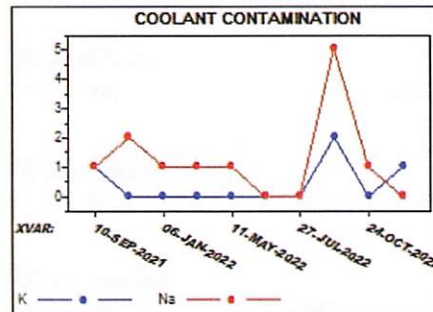
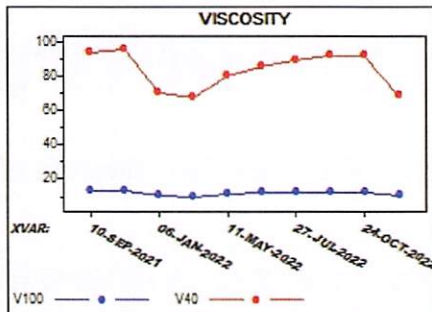
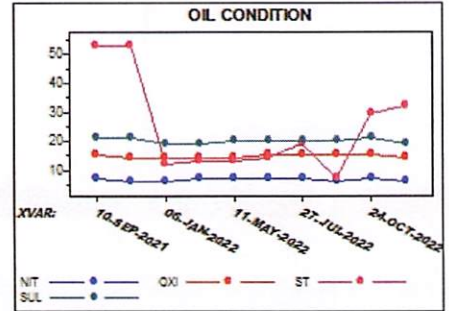
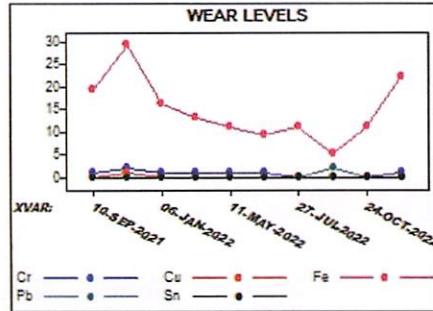
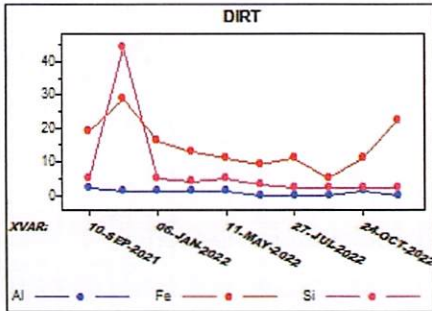
		06-Dec-22	24-Oct-22	02-Sep-22	27-Jul-22
F	Fuel	N	N	N	N

**FUEL CONTENT (%)**

		06-Dec-22	24-Oct-22	02-Sep-22	27-Jul-22
PFC	Percent Fuel		2.33		1.86

**WATER**

		06-Dec-22	24-Oct-22	02-Sep-22	27-Jul-22
W	Water	N	N	N	N



**Report Comment**


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**ENGINE**

**EQUIP NUM: EX127**

**SERIAL NUMBER: C7K01499**

N030-52311-0913  
 LABEL#: 201122531  
 SAMPLE SHIP TIME (days) : 14  
**GALENA CONTRACTORS**  
 LTD  
 RECEIVED DATE: 07-Nov-22

**CAT 325DFM\_CAT - CAT C7**  
 **No Action Required**

**Interp By: Greg Eyre**  
**Interpreted On: 08-Nov-22**

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. VISCOSITY INDICATES 30W OIL; FUEL TEST IS NEGATIVE.  
 RESAMPLE TO MONITOR AT NEXT SERVICE INTERVAL.

**SAMPLE INFORMATION**

	24-Oct-22	02-Sep-22	27-Jul-22	23-Jun-22
Sampled Date	24-Oct-22	02-Sep-22	27-Jul-22	23-Jun-22
Sample Id	N030-52311-0913	N030-52258-0197	N030-52216-0398	N030-52180-0259
Lab Date	07-Nov-22	15-Sep-22	04-Aug-22	29-Jun-22
Meter [Hr]	12526	12282	12200	11966
Comp Meter [Hr]	12526	12282	12200	11966
Meter On Fluid	244	82	234	246
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	15W-40	15W-40	15W-40	15W-40
Fluid Type	DURON SHP	DURON SHP	DURON SHP	DURON SHP
Oil Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Kidney Loop	U	U	U	U

**CONDITION / CONTAMINATION**

	24-Oct-22	02-Sep-22	27-Jul-22	23-Jun-22
<b>VISCOSITY (Centistokes)</b>				
V100 Viscosity at 100 C	12.40	12.50	12.10	12.00

<b>VISCOSITY (Centistokes)</b>				
V40 Viscosity at 40 C	91.20	91.90	88.50	85.10

<b>VISCOSITY INDEX</b>				
VI Viscosity Index	131	131	130	135

<b>INFRARED (IFM)</b>				
ST Soot	29	7	19	14
OXI Oxidation	15	15	15	15
SUL Sulfur Products	21	20	20	20
NIT Nitration	7	6	7	7

<b>ANTIFREEZE</b>				
A Antifreeze	N	N	N	N

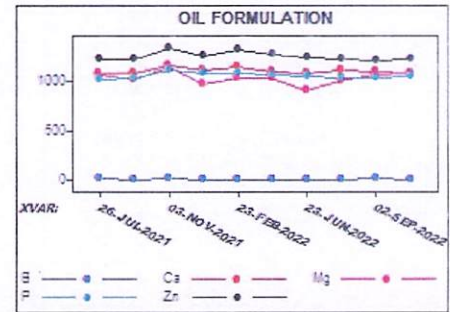
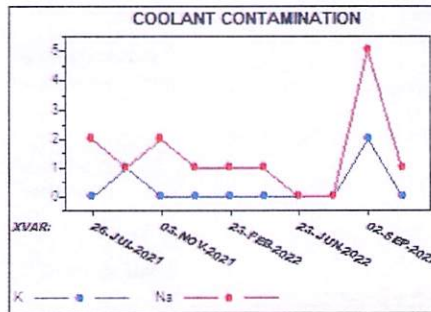
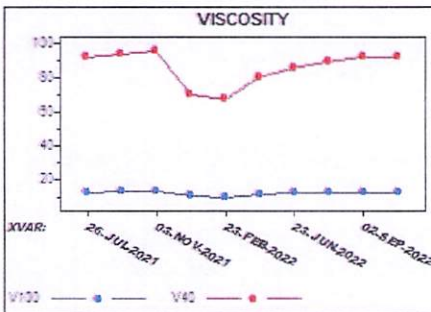
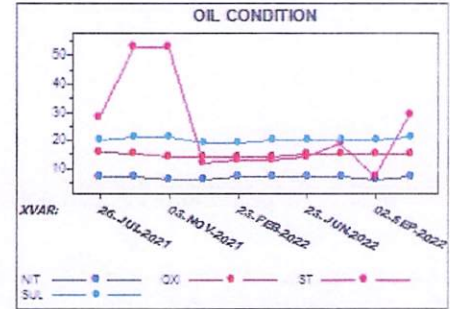
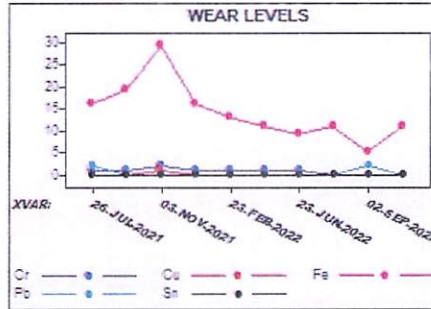
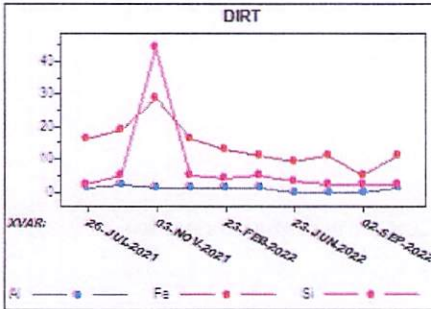
<b>FUEL</b>				
F Fuel	N	N	N	N

<b>FUEL CONTENT (%)</b>				
PFC Percent Fuel	2.33		1.86	1.90

<b>WATER</b>				
W Water	N	N	N	N

**WEAR LEVELS / ADDITIVES**

	24-Oct-22	02-Sep-22	27-Jul-22	23-Jun-22
<b>ELEMENTAL ANALYSIS (ppm)</b>				
Na Sodium	1	5	0	0
K Potassium	0	2	0	0
Si Silicon	2	2	2	3
Al Aluminum	1	0	0	0
Fe Iron	11	5	11	9
Cr Chromium	0	0	0	1
Pb Lead	0	2	0	0
Cu Copper	0	0	0	0
Sn Tin	0	0	0	0
Ni Nickel	0	0	0	0
Ag Silver	0	0	0	0
Ti Titanium	0	0	0	0
V Vanadium	0	0	0	0
Zn Zinc	1212	1192	1210	1229
Ca Calcium	1077	1080	1095	1078
Mg Magnesium	1077	1053	995	903
Ba Barium	0	0	0	0
B Boron	1	4	0	1
Mo Molybdenum	56	59	61	58
P Phosphorus	1033	1027	1024	1032




Report Comment

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**ENGINE**

**N030-52258-0197**  
 LABEL#: 201134175  
 SAMPLE SHIP TIME (days) : 13  
**GALENA CONTRACTORS**  
**LTD**  
 RECEIVED DATE: 15-Sep-22

**EQUIP NUM: EX127**  
**CAT 325DFM\_CAT - CAT C7**  
 **No Action Required**

**SERIAL NUMBER: C7K01499**

**Interp By: Gregory Scribner**  
**Interpreted On: 19-Sep-22**

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

**SAMPLE INFORMATION**

	02-Sep-22	27-Jul-22	23-Jun-22	11-May-22
Sampled Date	02-Sep-22	27-Jul-22	23-Jun-22	11-May-22
Sample Id	N030-52258-0197	N030-52216-0398	N030-52180-0259	N030-52139-0134
Lab Date	15-Sep-22	04-Aug-22	29-Jun-22	19-May-22
Meter [Hr]	12282	12200	11966	11720
Comp Meter [Hr]	12282	12200	11966	11720
Meter On Fluid	82	234	246	247
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	15W-40	15W-40	15W-40	15W-40
Fluid Type	DURON SHP	DURON SHP	DURON SHP	DURON SHP
Fluid Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Kidney Loop	U	U	U	U

**CONDITION / CONTAMINATION**

		02-Sep-22	27-Jul-22	23-Jun-22	11-May-22
<b>VISCOSITY (Centistokes)</b>					
V100	Viscosity at 100 C	12.50	12.10	12.00	11.30
<b>VISCOSITY (Centistokes)</b>					
V40	Viscosity at 40 C	91.90	88.50	85.10	79.80
<b>VISCOSITY INDEX</b>					
VI	Viscosity Index	131	130	135	132

**WEAR LEVELS / ADDITIVES**

	02-Sep-22	27-Jul-22	23-Jun-22	11-May-22	
<b>ELEMENTAL ANALYSIS (ppm)</b>					
Na	Sodium	5	0	0	1
K	Potassium	2	0	0	0
Si	Silicon	2	2	3	5
Al	Aluminum	0	0	0	1
Fe	Iron	5	11	9	11
Cr	Chromium	0	0	1	1
Pb	Lead	2	0	0	0
Cu	Copper	0	0	0	0
Sn	Tin	0	0	0	0
Ni	Nickel	0	0	0	1
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1192	1210	1229	1257
Ca	Calcium	1080	1095	1078	1081
Mg	Magnesium	1053	995	903	1028
Ba	Barium	0	0	0	0
B	Boron	4	0	1	1
Mo	Molybdenum	59	61	58	61
P	Phosphorus	1027	1024	1032	1061

**INFRARED (UFM)**

		02-Sep-22	27-Jul-22	23-Jun-22	11-May-22
ST	Soot	7	19	14	13
OXI	Oxidation	15	15	15	14
SUL	Sulfur Products	20	20	20	20
NIT	Nitration	6	7	7	7

**ANTIFREEZE**

		02-Sep-22	27-Jul-22	23-Jun-22	11-May-22
A	Antifreeze	N	N	N	N

**FUEL**

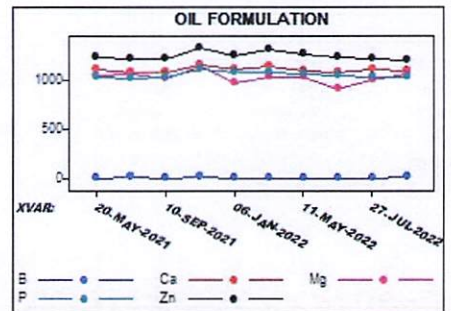
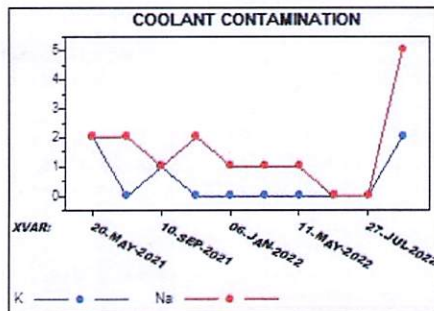
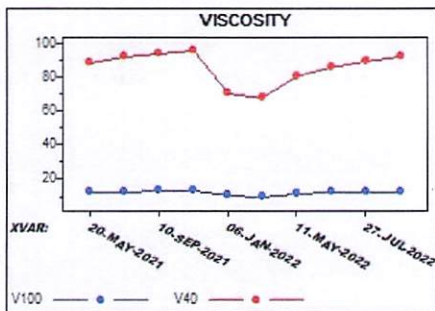
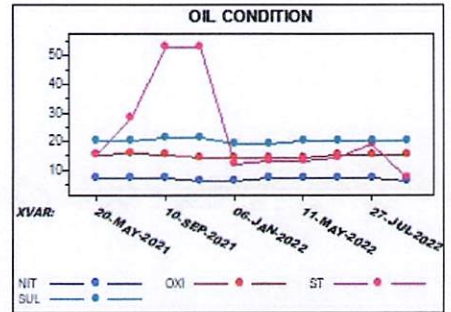
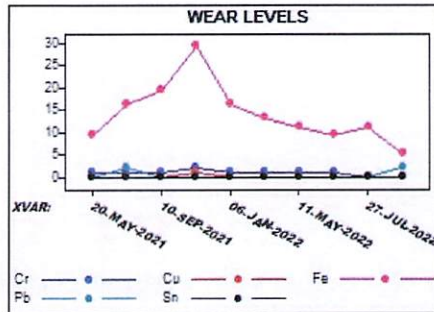
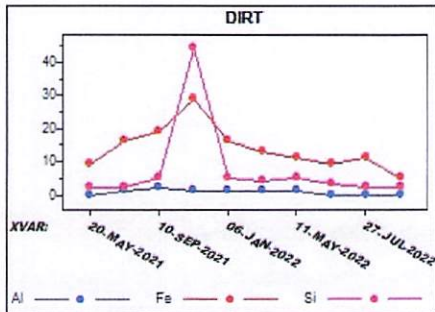
		02-Sep-22	27-Jul-22	23-Jun-22	11-May-22
F	Fuel	N	N	N	N

**FUEL CONTENT (%)**

		02-Sep-22	27-Jul-22	23-Jun-22	11-May-22
PFc	Percent Fuel		1.86	1.90	1.70

**WATER**

		02-Sep-22	27-Jul-22	23-Jun-22	11-May-22
W	Water	N	N	N	N




**Report Comment**

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJvUrs>. Access our online platform: <https://soswebmc.cat.com/cat-sos/samples>. Want to sign up for online portal?, Go Paperless? Or have any questions on SOS? Contact us 8:00am - 4:00pm MST M-F at SOS Support: 1-888-FINNING or [oilsupport@finning.com](mailto:oilsupport@finning.com).

**ENGINE**

**N030-52216-0398**  
 LABEL#: 201003499  
 SAMPLE SHIP TIME (days) : 8  
**GALENA CONTRACTORS**  
**LTD**  
 RECEIVED DATE: 04-Aug-22

**EQUIP NUM: EX127**  
**CAT 325DFM\_CAT - CAT C7**  
 **No Action Required**

**SERIAL NUMBER: C7K01499**

**Interp By: Gregory Scribner**  
**Interpreted On: 08-Aug-22**

DIRT AND WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

**SAMPLE INFORMATION**

	27-Jul-22	23-Jun-22	11-May-22	23-Feb-22
Sampled Date	27-Jul-22	23-Jun-22	11-May-22	23-Feb-22
Sample Id	N030-52216-0398	N030-52180-0259	N030-52139-0134	N030-52063-0847
Lab Date	04-Aug-22	29-Jun-22	19-May-22	04-Mar-22
Meter [Hr]	12200	11966	11720	11473
Comp Meter [Hr]	12200	11966	11720	11473
Meter On Fluid	234	246	247	267
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	15W-40	15W-40	15W-40	10W-30
Fluid Type	DURON SHP	DURON SHP	DURON SHP	DURON SHP
Oil Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Kidney Loop	U	U	U	U

**CONDITION / CONTAMINATION**

		27-Jul-22	23-Jun-22	11-May-22	23-Feb-22
<b>VISCOSITY (Centistokes)</b>					
V100	Viscosity at 100 C	12.10	12.00	11.30	10.00
<b>VISCOSITY (Centistokes)</b>					
V40	Viscosity at 40 C	88.50	85.10	79.80	66.80
<b>VISCOSITY INDEX</b>					
VI	Viscosity Index	130	135	132	134

**WEAR LEVELS / ADDITIVES**

	27-Jul-22	23-Jun-22	11-May-22	23-Feb-22	
<b>ELEMENTAL ANALYSIS (ppm)</b>					
Na	Sodium	0	0	1	1
K	Potassium	0	0	0	0
Si	Silicon	2	3	5	4
Al	Aluminum	0	0	1	1
Fe	Iron	11	9	11	13
Cr	Chromium	0	1	1	1
Pb	Lead	0	0	0	0
Cu	Copper	0	0	0	0
Sn	Tin	0	0	0	0
Ni	Nickel	0	0	1	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1210	1229	1257	1312
Ca	Calcium	1095	1078	1081	1131
Mg	Magnesium	995	903	1028	1031
Ba	Barium	0	0	0	0
B	Boron	0	1	1	1
Mo	Molybdenum	61	58	61	63
P	Phosphorus	1024	1032	1061	1071

**INFRARED (UFM)**

		27-Jul-22	23-Jun-22	11-May-22	23-Feb-22
ST	Soot	19	14	13	13
OXI	Oxidation	15	15	14	14
SUL	Sulfur Products	20	20	20	19
NIT	Nitration	7	7	7	7

**ANTIFREEZE**

		27-Jul-22	23-Jun-22	11-May-22	23-Feb-22
A	Antifreeze	N	N	N	N

**FUEL**

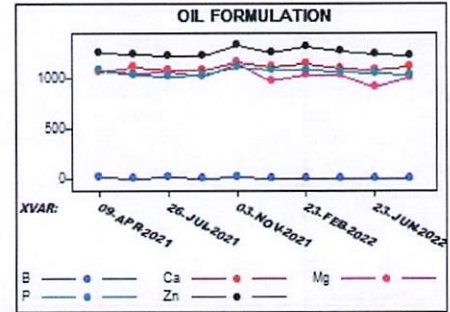
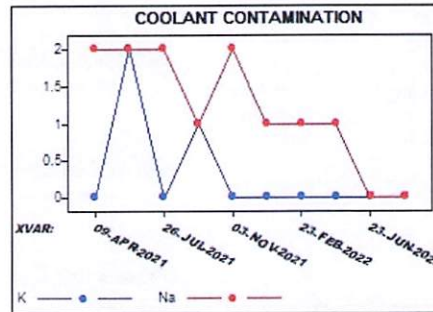
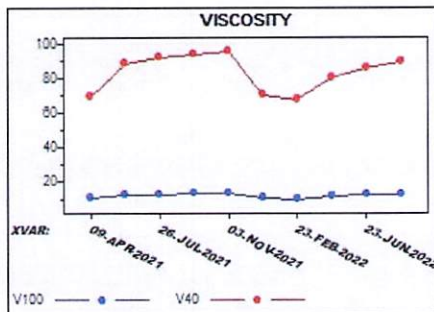
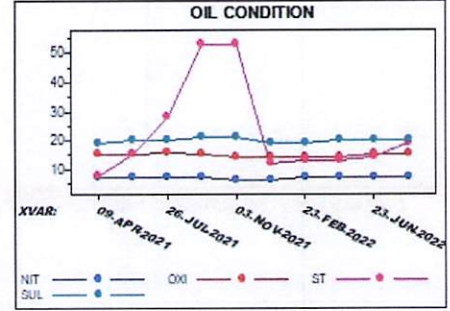
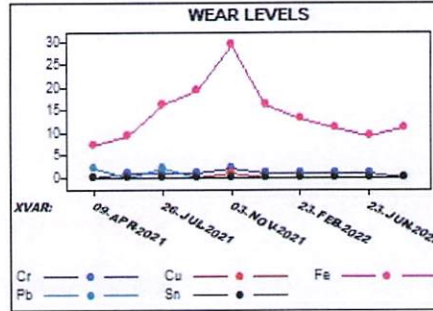
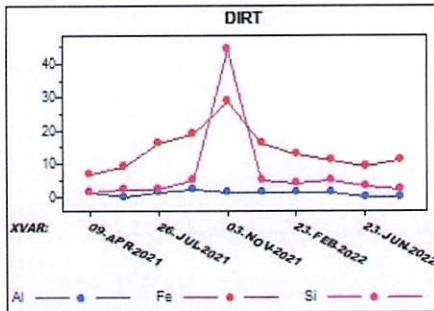
		27-Jul-22	23-Jun-22	11-May-22	23-Feb-22
F	Fuel	N	N	N	N

**FUEL CONTENT (%)**

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**WATER**

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