

ENGINE

EQUIP NUM: SK627

SERIAL NUMBER: 54500965

N030-55329-0886

LABEL#: 201960868

SHOP JOB NUM : 627-04

SAMPLE SHIP TIME (days) : 8

GALENA CONTRACTORS

LTD

RECEIVED DATE: 25-Nov-25

CAT 545C - CAT C7

No Action Required

Interp By: Gregory Scribner

Interpreted On: 01-Dec-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

	17-Nov-25	09-Oct-24	02-Aug-24	24-Nov-23
Sampled Date	17-Nov-25	09-Oct-24	02-Aug-24	24-Nov-23
Sample Id	N030-55329-0886	N030-54296-0046	N030-54229-0416	N030-53341-0300
Lab Date	25-Nov-25	22-Oct-24	16-Aug-24	07-Dec-23
Meter [Hr]	14748	13991	13710	13192
Comp Meter [Hr]	14748	13991	13710	13192
Meter On Fluid	224	281	250	275
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	10W-30	15W-40	15W-40	15W-40
Fluid Type	DURON HP	DURON HP	DURON HP	DURON HP
Fluid Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Make Up Fluid [L]	28	28	28	28
Kidney Loop	U	U	U	U

CONDITION / CONTAMINATION

		17-Nov-25	09-Oct-24	02-Aug-24	24-Nov-23
VISCOSITY (Centistokes)					
V100	Viscosity at 100 C	12.70	12.50	12.30	12.60

VISCOSITY (Centistokes)					
V40	Viscosity at 40 C	91.80	88.60	84.80	90.00

VISCOSITY INDEX					
VI	Viscosity Index	135	137	141	136

INFRARED (UFM)					
ST	Soot	20	23	15	18
OXI	Oxidation	13	13	13	14
SUL	Sulfate By-Product	19	19	19	19
	Sulfur Products	19	19	19	19
NIT	Nitration	6	6	5	6

ANTIFREEZE					
A	Antifreeze	N	N	N	N

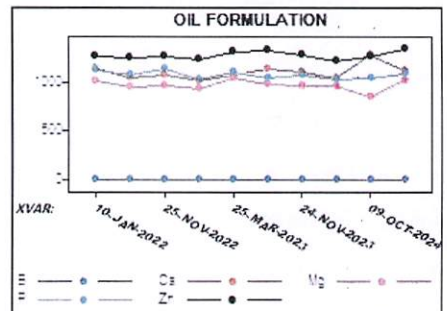
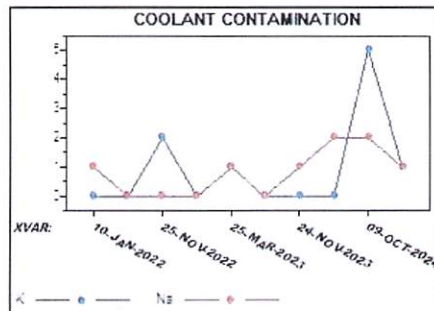
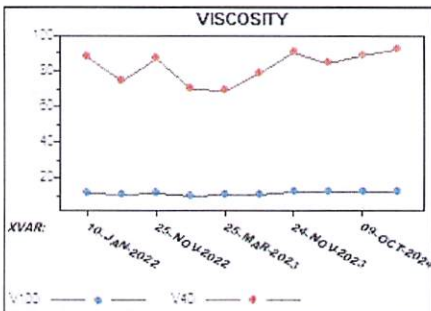
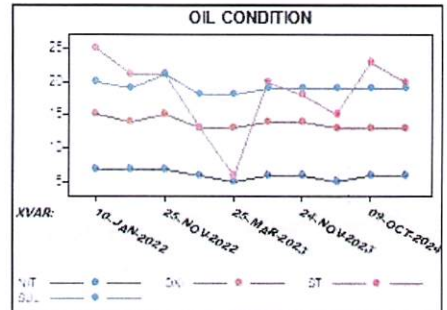
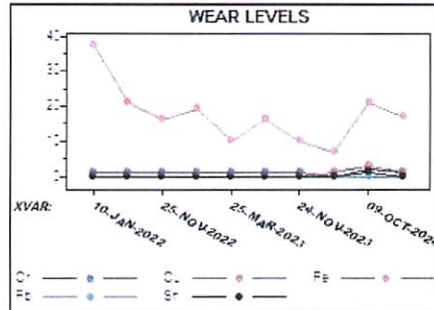
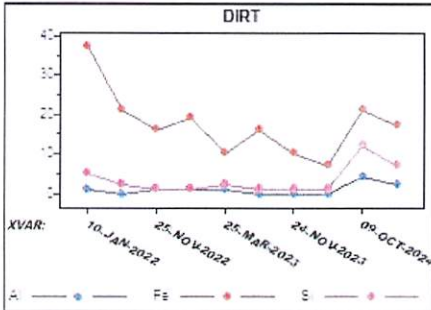
FUEL					
F	Fuel	N	N	N	N

FUEL CONTENT (%)					
PFC	Percent Fuel			0.81	

WATER					
W	Water	N	N	N	N

WEAR LEVELS / ADDITIVES

		17-Nov-25	09-Oct-24	02-Aug-24	24-Nov-23
ELEMENTAL ANALYSIS (ppm)					
Na	Sodium	1	2	2	1
K	Potassium	1	5	0	0
Si	Silicon	7	12	1	1
Al	Aluminum	2	4	0	0
Fe	Iron	17	21	7	10
Cr	Chromium	1	2	0	1
Pb	Lead	0	0	0	0
Cu	Copper	1	3	1	0
Sn	Tin	0	1	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	1336	1265	1216	1273
Ca	Calcium	1117	1276	1040	1105
Mg	Magnesium	1018	843	960	964
Ba	Barium	0	0	0	0
B	Boron	0	1	1	1
Mo	Molybdenum	61	49	55	57
P	Phosphorus	1090	1046	1020	1068



Report Comment

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TRANSMISSION POWER

SHIFT

N030-54296-0047

LABEL#: 201748084

SAMPLE SHIP TIME (days) : 13

GALENA CONTRACTORS

LTD

RECEIVED DATE: 22-Oct-24

EQUIP NUM: SK627

CAT 545C

SERIAL NUMBER: 54500965

No Action Required

Interp By: Gregory Scribner

Interpreted On: 24-Oct-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

	09-Oct-24	26-May-23	10-Feb-22	04-Sep-20
Sample Date	09-Oct-24	26-May-23	10-Feb-22	04-Sep-20
Sample Id	N030-54296-0047	N030-53156-0331	N030-52053-0209	N030-50259-0577
Lab Date	22-Oct-24	05-Jun-23	22-Feb-22	15-Sep-20
Meter [Hr]	13991	12917	11973	10910
Comp Meter [Hr]	13991	12917	2273	1210
Meter On Fluid	1074	944	1063	1210
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	30	30	30	30
Fluid Type	PRODURO	PRODURO	PRODURO	PRODURO
Fluid Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Kidney Loop	U	U	U	U

CONDITION / CONTAMINATION

		09-Oct-24	26-May-23	10-Feb-22	04-Sep-20
VISCOSITY (Centistokes)					
V100	Viscosity at 100 C	9.400	10.70	10.40	10.5
VISCOSITY (Centistokes)					
V40	Viscosity at 40 C	68.40	87.50	84.20	86.7
VISCOSITY INDEX					
VI	Viscosity Index	115	106	106	104

WEAR LEVELS / ADDITIVES

	09-Oct-24	26-May-23	10-Feb-22	04-Sep-20	
ELEMENTAL ANALYSIS (ppm)					
Na	Sodium	1	0	0	6
K	Potassium	0	0	0	1
Si	Silicon	4	3	5	14
Al	Aluminum	1	2	2	3
Fe	Iron	6	9	14	41
Cr	Chromium	0	0	0	0
Pb	Lead	0	0	0	0
Cu	Copper	3	5	17	17
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	1136	1316	1214	1175
Ca	Calcium	3261	3227	2919	2794
Mg	Magnesium	16	14	14	13
Ba	Barium	0	0	0	0
B	Boron	2	1	1	1
Mo	Molybdenum	1	0	1	1
P	Phosphorus	905	1003	965	981

INFRARED (UFM)

		09-Oct-24	26-May-23	10-Feb-22	04-Sep-20
ST	Soot	0	0	0	0
OXI	Oxidation	6	3	3	5
SUL	Sulfur Products	15	16	16	18
NIT	Nitration	4	3	3	4

ANTIFREEZE

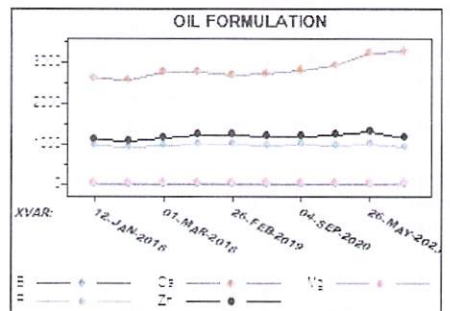
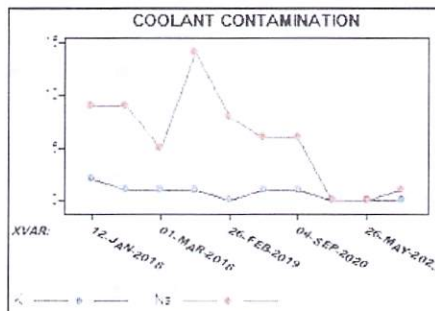
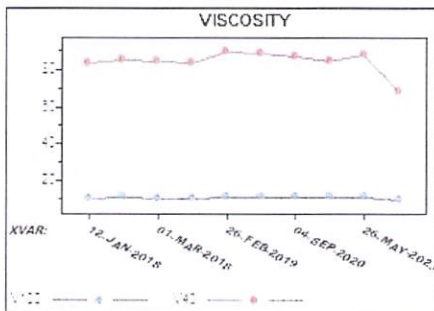
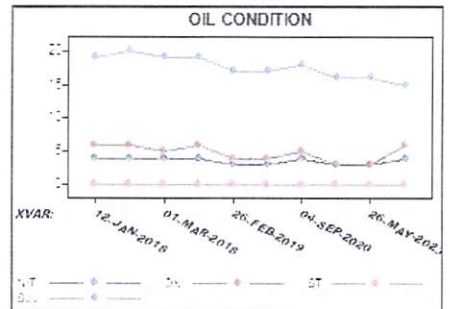
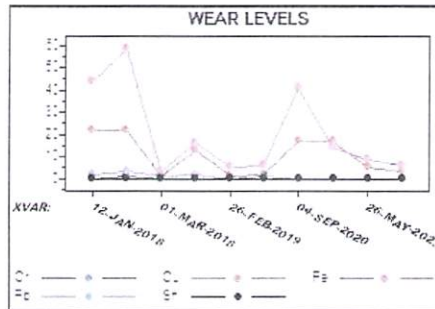
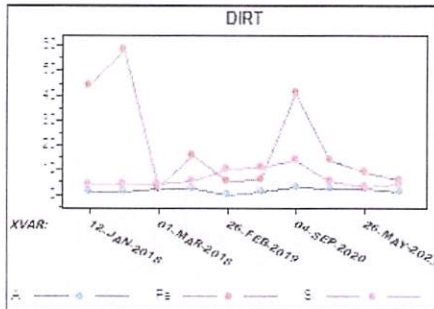
		09-Oct-24	26-May-23	10-Feb-22	04-Sep-20
A	Antifreeze	N	N	N	N

WATER

		09-Oct-24	26-May-23	10-Feb-22	04-Sep-20
W	Water	N	N	N	N

CLEANLINESS

		09-Oct-24	26-May-23	10-Feb-22	04-Sep-20
PARTICLE COUNT					
ISO	ISO Code Rating	20/15/11	23/20/16	22/16/12	23/22/15
4µ	4µ	9309	48040	28245	73331
6µ	6µ	313	5136	485	26364
10µ	10µ	52	896	62	1129
14µ	14µ	18	369	25	208
18µ	18µ	8	155	14	91
21µ	21µ	5	81	10	54
38µ	38µ	1	7	3	4
50µ	50µ	1	2	1	2



Report Comment

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJUVrs>. 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

EQUIP NUM: SK627

SERIAL NUMBER: 54500965

N030-54296-0048

LABEL#: 201748100

SAMPLE SHIP TIME (days) : 13

GALENA CONTRACTORS

LTD

RECEIVED DATE: 22-Oct-24

CAT 545C

No Action Required

Interp By: Gregory Scribner

Interpreted On: 24-Oct-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

	09-Oct-24	10-Feb-22
Sampled Date	09-Oct-24	10-Feb-22
Sample Id	N030-54296-0048	N030-52053-0210
Lab Date	22-Oct-24	22-Feb-22
Meter [Hr]	13991	11973
Comp Meter [Hr]	13991	11973
Meter On Fluid	13991	2000
Fluid Brand	PETRO-CAN	PETRO-CAN
Fluid Weight	32-ISO	32-ISO
Fluid Type	HYDRA AW	HYDRA AW
Fluid Change	N	N
Filter Change	Y	Y
Kidney Loop	U	U

CONDITION / CONTAMINATION

		09-Oct-24	10-Feb-22
VISCOSITY (Centistokes)			
V100	Viscosity at 100 C	5.600	5.700

		09-Oct-24	10-Feb-22
VISCOSITY (Centistokes)			
V40	Viscosity at 40 C	31.30	31.90

		09-Oct-24	10-Feb-22
VISCOSITY INDEX			
VI	Viscosity Index	118	120

		09-Oct-24	10-Feb-22
INFRARED (UFM)			
ST	Soot	0	0
OXI	Oxidation	3	3
SUL	Sulfur Products	11	11
NIT	Nitration	2	2

		09-Oct-24	10-Feb-22
ANTIFREEZE			
A	Antifreeze	N	N

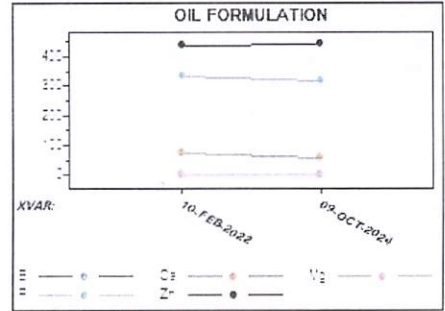
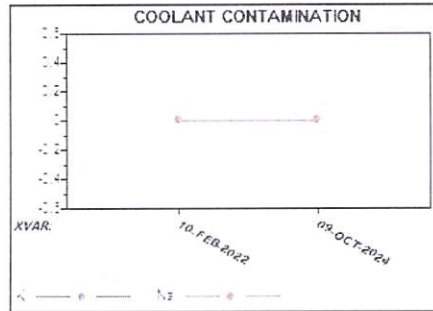
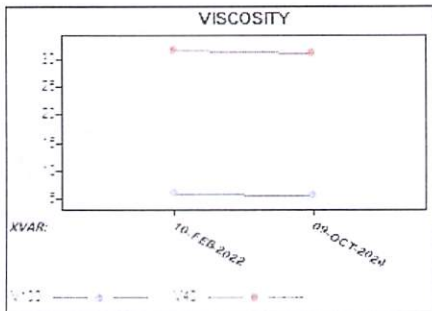
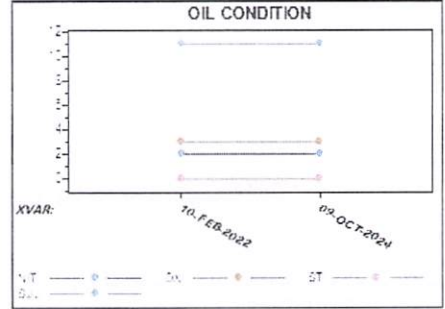
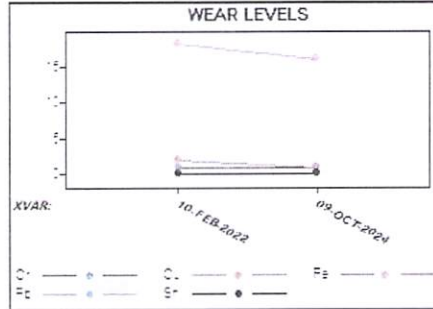
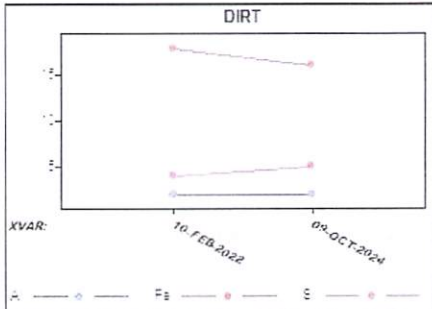
		09-Oct-24	10-Feb-22
WATER			
W	Water	N	N

CLEANLINESS

		09-Oct-24	10-Feb-22
PARTICLE COUNT			
ISO	ISO Code Rating	20/18/15	21/17/14
4µ	4µ	9050	16122
6µ	6µ	1728	937
10µ	10µ	464	245
14µ	14µ	200	116
18µ	18µ	101	76
21µ	21µ	63	54
38µ	38µ	7	9
50µ	50µ	2	3

WEAR LEVELS / ADDITIVES

		09-Oct-24	10-Feb-22
ELEMENTAL ANALYSIS (ppm)			
Na	Sodium	0	0
K	Potassium	0	0
Si	Silicon	5	4
Al	Aluminum	2	2
Fe	Iron	16	18
Cr	Chromium	1	1
Pb	Lead	0	0
Cu	Copper	1	2
Sn	Tin	0	0
Ni	Nickel	0	0
Ag	Silver	0	0
Ti	Titanium	0	0
V	Vanadium	0	0
Zn	Zinc	439	438
Ca	Calcium	57	75
Mg	Magnesium	2	1
Ba	Barium	0	0
B	Boron	0	0
Mo	Molybdenum	0	0
P	Phosphorus	316	331



Report Comment

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ENGINE

N030-54229-0416

LABEL#: 201618342

SAMPLE SHIP TIME (days) : 14

GALENA CONTRACTORS

LTD

RECEIVED DATE: 16-Aug-24

EQUIP NUM: SK627

CAT 545C - CAT C7

SERIAL NUMBER: 54500965

No Action Required

Interp By: Greg Eyre

Interpreted On: 26-Aug-24

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

	02-Aug-24	24-Nov-23	26-May-23	25-Mar-23
Sampled Date	02-Aug-24	24-Nov-23	26-May-23	25-Mar-23
Sample Id	N030-54229-0416	N030-53341-0300	N030-53156-0330	N030-54100-0414
Lab Date	16-Aug-24	07-Dec-23	05-Jun-23	09-Apr-24
Meter [Hr]	13710	13192	12917	13460
Comp Meter [Hr]	13710	13192	12917	13460
Meter On Fluid	250	275	238	268
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	15W-40	15W-40	15W-40	10W-30
Fluid Type	DURON HP	DURON HP	DURON HP	DURON HP
Fluid Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Take Up Fluid [L]	28	28		28
Kidney Loop	U	U	U	U

CONDITION / CONTAMINATION

		02-Aug-24	24-Nov-23	26-May-23	25-Mar-23
VISCOSITY (Centistokes)					
V100	Viscosity at 100 C	12.30	12.60	11.20	10.50
VISCOSITY (Centistokes)					
V40	Viscosity at 40 C	84.80	90.00	78.00	68.60
VISCOSITY INDEX					
VI	Viscosity Index	141	136	133	141

WEAR LEVELS / ADDITIVES

		02-Aug-24	24-Nov-23	26-May-23	25-Mar-23
ELEMENTAL ANALYSIS (ppm)					
Na	Sodium	2	1	0	1
K	Potassium	0	0	0	1
Si	Silicon	1	1	1	2
Al	Aluminum	0	0	0	1
Fe	Iron	7	10	16	10
Cr	Chromium	0	1	1	1
Pb	Lead	0	0	0	0
Cu	Copper	1	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	1216	1273	1322	1307
Ca	Calcium	1040	1105	1131	1080
Mg	Magnesium	960	964	984	1048
Ba	Barium	0	0	0	0
B	Boron	1	1	1	1
Mo	Molybdenum	55	57	60	62
P	Phosphorus	1020	1068	1039	1105

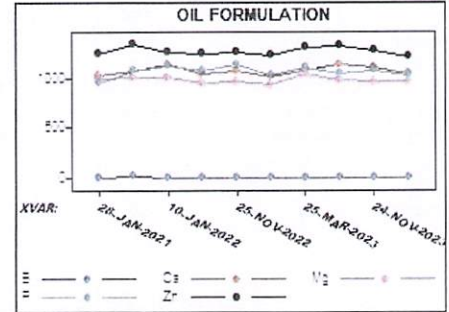
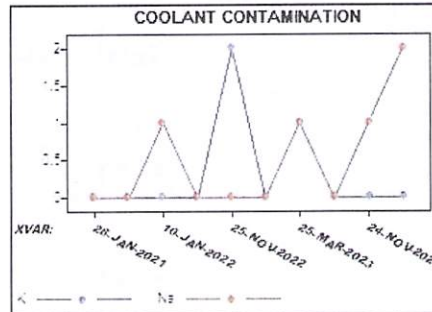
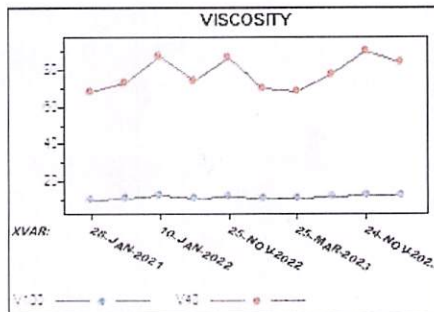
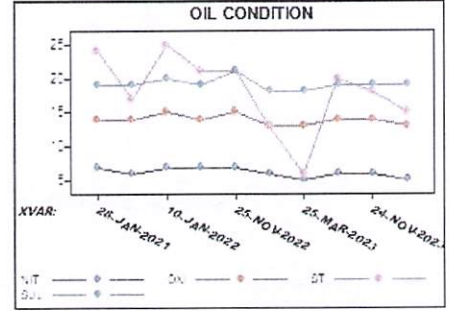
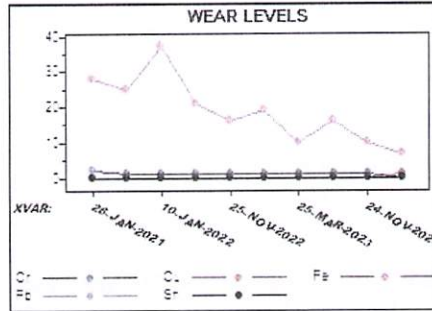
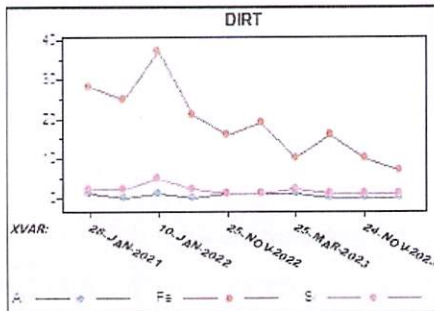
		02-Aug-24	24-Nov-23	26-May-23	25-Mar-23
INFRARED (UFM)					
ST	Soot	15	18	20	6
OXI	Oxidation	13	14	14	13
SUL	Sulfur Products	19	19	19	18
NIT	Nitration	5	6	6	5

		02-Aug-24	24-Nov-23	26-May-23	25-Mar-23
ANTIFREEZE					
A	Antifreeze	N	N	N	N

		02-Aug-24	24-Nov-23	26-May-23	25-Mar-23
FUEL					
F	Fuel	N	N	N	N

		02-Aug-24	24-Nov-23	26-May-23	25-Mar-23
FUEL CONTENT (%)					
PFC	Percent Fuel	0.81		1.77	

		02-Aug-24	24-Nov-23	26-May-23	25-Mar-23
WATER					
W	Water	N	N	N	N



Report Comment

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ENGINE

N030-54100-0414

LABEL#: 201494045

SHOP JOB NUM : 627-04

SAMPLE SHIP TIME (days) : 381

GALENA CONTRACTORS

LTD

RECEIVED DATE: 09-Apr-24

EQUIP NUM: SK627

CAT 545C - CAT C7

No Action Required

SERIAL NUMBER: 54500965

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

	25-Mar-23	15-Mar-23	25-Nov-22	27-May-22
Sampled Date	25-Mar-23	15-Mar-23	25-Nov-22	27-May-22
Sample Id	N030-54100-0414	N030-53086-0020	N030-52341-0329	N030-52158-0668
Lab Date	09-Apr-24	27-Mar-23	07-Dec-22	07-Jun-22
Meter [Hr]	13460	12679	12404	12095
Comp Meter [Hr]	13460	12679	12404	12095
Meter On Fluid	268	275	309	265
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	10W-30	10W-30	15W-40	15W-40
Fluid Type	DURON HP	DURON HP	DURON HP	DURON HP
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

		25-Mar-23	15-Mar-23	25-Nov-22	27-May-22
VISCOSITY (Centistokes)					
V100	Viscosity at 100 C	10.50	10.40	11.90	10.80

		25-Mar-23	15-Mar-23	25-Nov-22	27-May-22
VISCOSITY (Centistokes)					
V40	Viscosity at 40 C	68.60	69.60	86.60	73.90

		25-Mar-23	15-Mar-23	25-Nov-22	27-May-22
VISCOSITY INDEX					
VI	Viscosity Index	141	136	130	134

		25-Mar-23	15-Mar-23	25-Nov-22	27-May-22
INFRARED (UFM)					
ST	Soot	6	13	21	21
OXI	Oxidation	13	13	15	14
SUL	Sulfur Products	18	18	21	19
NIT	Nitration	5	6	7	7

		25-Mar-23	15-Mar-23	25-Nov-22	27-May-22
ANTIFREEZE					
A	Antifreeze	N	N	N	N

		25-Mar-23	15-Mar-23	25-Nov-22	27-May-22
FUEL					
F	Fuel	N	N	N	N

		25-Mar-23	15-Mar-23	25-Nov-22	27-May-22
FUEL CONTENT (%)					
PFC	Percent Fuel			2.10	0.83

		25-Mar-23	15-Mar-23	25-Nov-22	27-May-22
WATER					
W	Water	N	N	N	N

WEAR LEVELS / ADDITIVES

		25-Mar-23	15-Mar-23	25-Nov-22	27-May-22
ELEMENTAL ANALYSIS (ppm)					
Na	Sodium	1	0	0	0
K	Potassium	1	0	2	0
Si	Silicon	2	1	1	2
Al	Aluminum	1	1	1	0
Fe	Iron	10	19	16	21
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	1307	1239	1270	1253
Ca	Calcium	1080	1008	1078	1045
Mg	Magnesium	1048	931	955	950
Ba	Barium	0	0	0	0
B	Boron	1	1	1	0
Mo	Molybdenum	62	54	62	57
P	Phosphorus	1105	1019	1144	1066

ENGINE

N030-53341-0300

LABEL#: 201170973

SHOP JOB NUM : 62704

SAMPLE SHIP TIME (days) : 13

GALENA CONTRACTORS

LTD

RECEIVED DATE: 07-Dec-23

EQUIP NUM: SK627

CAT 545C - CAT C7



No Action Required

SERIAL NUMBER: 54500965

Interp By: Gregory Scribner

Interpreted On: 11-Dec-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

	24-Nov-23	26-May-23	15-Mar-23	25-Nov-22
Sampled Date	24-Nov-23	26-May-23	15-Mar-23	25-Nov-22
Sample Id	N030-53341-0300	N030-53156-0330	N030-53086-0020	N030-52341-0329
Lab Date	07-Dec-23	05-Jun-23	27-Mar-23	07-Dec-22
Meter [Hr]	13192	12917	12679	12404
Comp Meter [Hr]	13192	12917	12679	12404
Meter On Fluid	275	238	275	309
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	15W-40	15W-40	10W-30	15W-40
Fluid Type	DURON HP	DURON HP	DURON HP	DURON HP
Fluid Change	Y	Y	Y	Y
Oil Change	Y	Y	Y	Y
Make Up Fluid [L]	28			
Kidney Loop	U	U	U	U

CONDITION / CONTAMINATION

		24-Nov-23	26-May-23	15-Mar-23	25-Nov-22
VISCOSITY (Centistokes)					
V100	Viscosity at 100 C	12.60	11.20	10.40	11.90

		24-Nov-23	26-May-23	15-Mar-23	25-Nov-22
VISCOSITY (Centistokes)					
V40	Viscosity at 40 C	90.00	78.00	69.60	86.60

		24-Nov-23	26-May-23	15-Mar-23	25-Nov-22
VISCOSITY INDEX					
VI	Viscosity Index	136	133	136	130

		24-Nov-23	26-May-23	15-Mar-23	25-Nov-22
INFRARED (UFM)					
ST	Soot	18	20	13	21
OXI	Oxidation	14	14	13	15
SUL	Sulfur Products	19	19	18	21
NIT	Nitration	6	6	6	7

		24-Nov-23	26-May-23	15-Mar-23	25-Nov-22
ANTIFREEZE					
A	Antifreeze	N	N	N	N

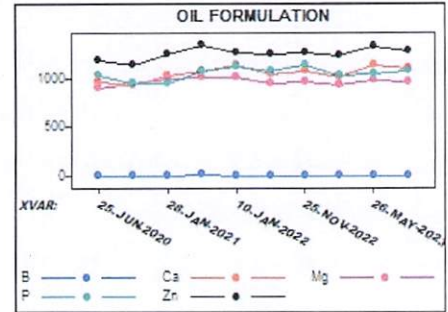
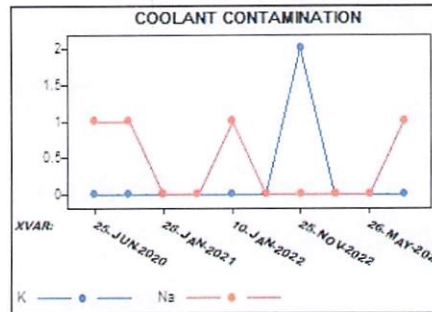
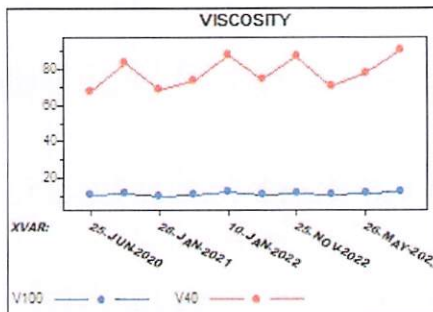
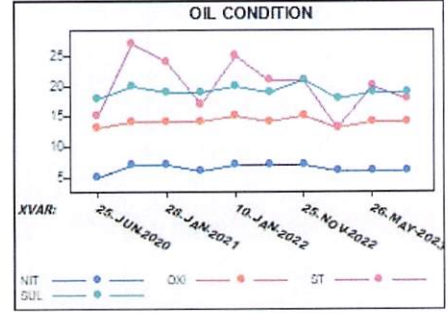
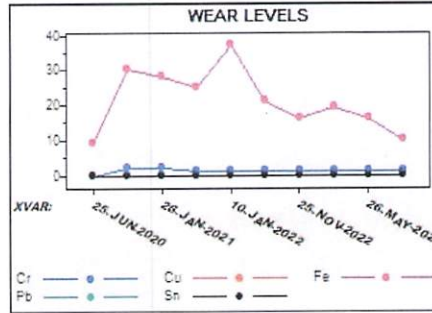
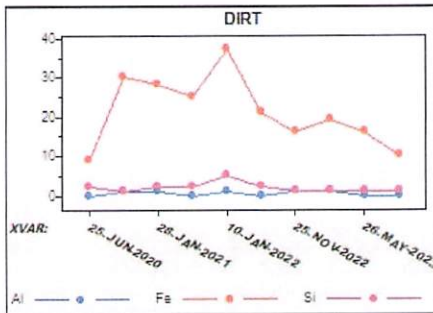
		24-Nov-23	26-May-23	15-Mar-23	25-Nov-22
FUEL					
F	Fuel	N	N	N	N

		24-Nov-23	26-May-23	15-Mar-23	25-Nov-22
FUEL CONTENT (%)					
PFc	Percent Fuel		1.77		2.10

		24-Nov-23	26-May-23	15-Mar-23	25-Nov-22
WATER					
W	Water	N	N	N	N

WEAR LEVELS / ADDITIVES

		24-Nov-23	26-May-23	15-Mar-23	25-Nov-22
ELEMENTAL ANALYSIS (ppm)					
Na	Sodium	1	0	0	0
K	Potassium	0	0	0	2
Si	Silicon	1	1	1	1
Al	Aluminum	0	0	1	1
Fe	Iron	10	16	19	16
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	0	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1273	1322	1239	1270
Ca	Calcium	1105	1131	1008	1078
Mg	Magnesium	964	984	931	955
Ba	Barium	0	0	0	0
B	Boron	1	1	1	1
Mo	Molybdenum	57	60	54	62
P	Phosphorus	1068	1039	1019	1144



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

N030-53156-0330
 LABEL#: 201174672
 SAMPLE SHIP TIME (days) : 10
GALENA CONTRACTORS
LTD
 RECEIVED DATE: 05-Jun-23

EQUIP NUM: SK627

SERIAL NUMBER: 54500965

CAT 545C - CAT C7

 **No Action Required**

Interp By: Gregory Scribner
Interpreted On: 07-Jun-23

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

SAMPLE INFORMATION

	26-May-23	15-Mar-23	25-Nov-22	27-May-22
Sampled Date	26-May-23	15-Mar-23	25-Nov-22	27-May-22
Sample Id	N030-53156-0330	N030-53086-0020	N030-52341-0329	N030-52158-0668
Lab Date	05-Jun-23	27-Mar-23	07-Dec-22	07-Jun-22
Meter [Hr]	12917	12679	12404	12095
Comp Meter [Hr]	12917	12679	12404	12095
Meter On Fluid	238	275	309	265
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	15W-40	10W-30	15W-40	15W-40
Fluid Type	DURON HP	DURON HP	DURON HP	DURON HP
Oil Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Kidney Loop	U	U	U	U

CONDITION / CONTAMINATION

		26-May-23	15-Mar-23	25-Nov-22	27-May-22
VISCOSITY (Centistokes)					
V100	Viscosity at 100 C	11.20	10.40	11.90	10.80
VISCOSITY (Centistokes)					
V40	Viscosity at 40 C	78.00	69.60	86.60	73.90
VISCOSITY INDEX					
VI	Viscosity Index	133	136	130	134

WEAR LEVELS / ADDITIVES

	26-May-23	15-Mar-23	25-Nov-22	27-May-22	
ELEMENTAL ANALYSIS (ppm)					
Na	Sodium	0	0	0	0
K	Potassium	0	0	2	0
Si	Silicon	1	1	1	2
Al	Aluminum	0	1	1	0
Fe	Iron	16	19	16	21
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	1	0	0	1
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1322	1239	1270	1253
Ca	Calcium	1131	1008	1078	1045
Mg	Magnesium	984	931	955	950
Ba	Barium	0	0	0	0
B	Boron	1	1	1	0
Mo	Molybdenum	60	54	62	57
P	Phosphorus	1039	1019	1144	1066

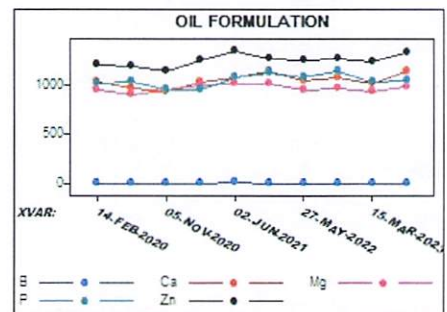
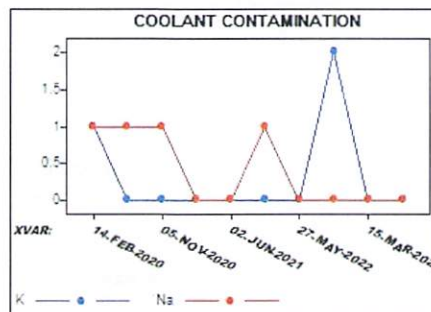
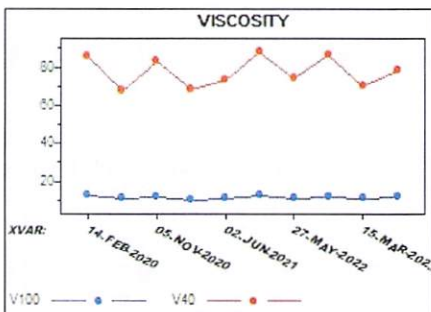
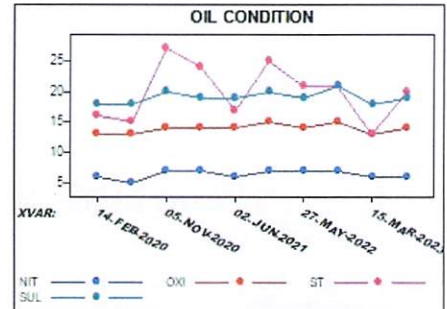
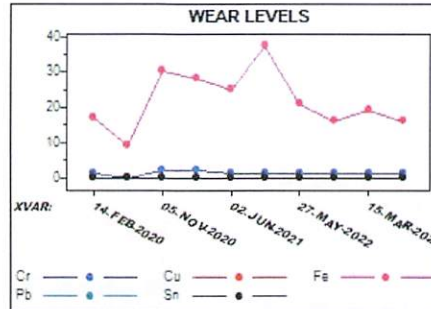
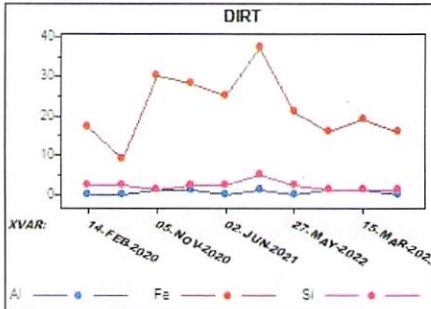
		26-May-23	15-Mar-23	25-Nov-22	27-May-22
INFRARED (UFM)					
ST	Soot	20	13	21	21
OXI	Oxidation	14	13	15	14
SUL	Sulfur Products	19	18	21	19
NIT	Nitration	6	6	7	7

		26-May-23	15-Mar-23	25-Nov-22	27-May-22
ANTIFREEZE					
A	Antifreeze	N	N	N	N

		26-May-23	15-Mar-23	25-Nov-22	27-May-22
FUEL					
F	Fuel	N	N	N	N

		26-May-23	15-Mar-23	25-Nov-22	27-May-22
FUEL CONTENT (%)					
PFc	Percent Fuel	1.77		2.10	0.83

		26-May-23	15-Mar-23	25-Nov-22	27-May-22
WATER					
W	Water	N	N	N	N



Report Comment

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TRANSMISSION POWER

EQUIP NUM: SK627

SERIAL NUMBER: 54500965

SHIFT

CAT 545C

Interp By: Gregory Scribner

N030-53156-0331

 **No Action Required**

Interpreted On: 07-Jun-23

LABEL#: 201161985

SAMPLE SHIP TIME (days) : 10





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

GALENA CONTRACTORS

LTD

RECEIVED DATE: 05-Jun-23

SAMPLE INFORMATION

				
	26-May-23	10-Feb-22	04-Sep-20	12-Mar-19
Sampled Date	26-May-23	10-Feb-22	04-Sep-20	12-Mar-19
Sample Id	N030-53156-0331	N030-52053-0209	N030-50259-0577	N030-49077-1038
Lab Date	05-Jun-23	22-Feb-22	15-Sep-20	18-Mar-19
Meter [Hr]	12917	11973	10910	9787
Comp Meter [Hr]	12917	2273	1210	9787
Meter On Fluid	944	1063	1210	1
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	CAT
Fluid Weight	30	30	30	30
Fluid Type	PRODURO	PRODURO	PRODURO	TDTO
Fluid Change	Y	Y	Y	N
Filter Change	Y	Y	Y	N
Kidney Loop	U	U	U	U

CONDITION / CONTAMINATION

		26-May-23	10-Feb-22	04-Sep-20	12-Mar-19
VISCOSITY (Centistokes)					
V100	Viscosity at 100 C	10.70	10.40	10.5	10.4
VISCOSITY (Centistokes)					
V40	Viscosity at 40 C	87.50	84.20	86.7	88.6
VISCOSITY INDEX					
VI	Viscosity Index	106	106	104	99

WEAR LEVELS / ADDITIVES

		26-May-23	10-Feb-22	04-Sep-20	12-Mar-19
ELEMENTAL ANALYSIS (ppm)					
Na	Sodium	0	0	6	6
K	Potassium	0	0	1	1
Si	Silicon	3	5	14	11
Al	Aluminum	2	2	3	1
Fe	Iron	9	14	41	6
Cr	Chromium	0	0	0	0
Pb	Lead	0	0	0	1
Cu	Copper	5	17	17	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	1316	1214	1175	1191
Ca	Calcium	3227	2919	2794	2736
Mg	Magnesium	14	14	13	16
Ba	Barium	0	0	0	0
B	Boron	1	1	1	2
Mo	Molybdenum	0	1	1	1
P	Phosphorus	1003	965	981	952

INFRARED (UFM)

		26-May-23	10-Feb-22	04-Sep-20	12-Mar-19
ST	Soot	0	0	0	0
OXI	Oxidation	3	3	5	4
SUL	Sulfur Products	16	16	18	17
NIT	Nitration	3	3	4	3

ANTIFREEZE

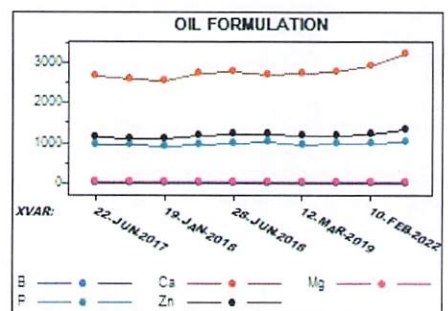
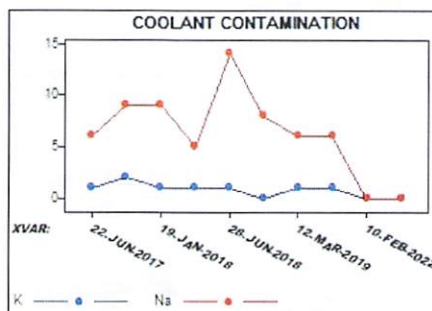
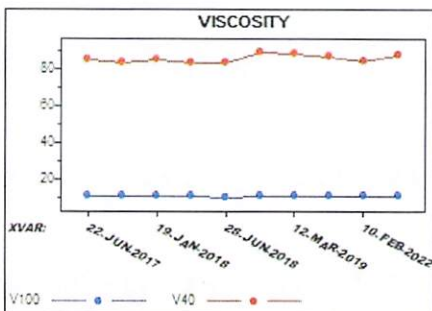
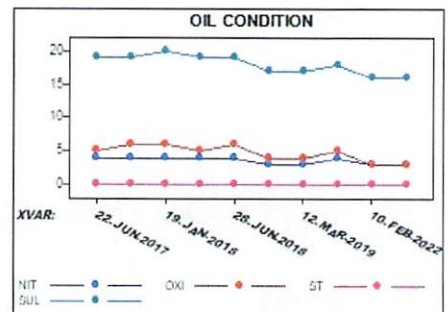
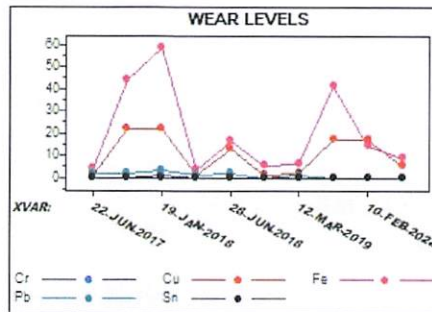
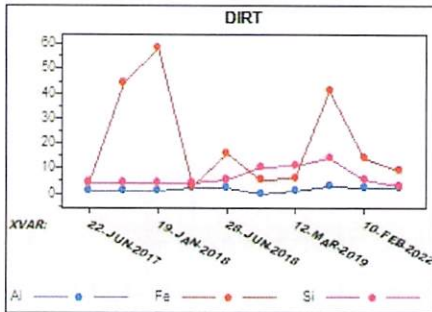
		26-May-23	10-Feb-22	04-Sep-20	12-Mar-19
A	Antifreeze	N	N	N	N

WATER

		26-May-23	10-Feb-22	04-Sep-20	12-Mar-19
W	Water	N	N	N	N

CLEANLINESS

		26-May-23	10-Feb-22	04-Sep-20	12-Mar-19
PARTICLE COUNT					
ISO	ISO Code Rating	23/20/16	22/16/12	23/22/15	22/18/12
4µ	4µ	48040	28245	73331	39268
6µ	6µ	5136	485	26364	1559
10µ	10µ	896	62	1129	71
14µ	14µ	369	25	208	25
18µ	18µ	155	14	91	13
21µ	21µ	81	10	54	7
38µ	38µ	7	3	4	1
50µ	50µ	2	1	2	0



Report Comment

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ENGINE

EQUIP NUM: SK627
CAT 545C - CAT C7

SERIAL NUMBER: 54500965

N030-53086-0020


LABEL#: 201131023

SAMPLE SHIP TIME (days) : 12

GALENA CONTRACTORS

LTD

RECEIVED DATE: 27-Mar-23

 **No Action Required**

Interp By: Salvatore Borelli

Interpreted On: 03-Apr-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

	15-Mar-23	25-Nov-22	27-May-22	10-Jan-22
Sampled Date	15-Mar-23	25-Nov-22	27-May-22	10-Jan-22
Sample Id	N030-53086-0020	N030-52341-0329	N030-52158-0668	N030-52019-0464
Lab Date	27-Mar-23	07-Dec-22	07-Jun-22	19-Jan-22
Meter [Hr]	12679	12404	12095	11830
Comp Meter [Hr]	12679	12404	12095	11830
Meter On Fluid	275	309	265	255
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	10W-30	15W-40	15W-40	10W-30
Fluid Type	DURON HP	DURON HP	DURON HP	DURON HP
Fluid Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Kidney Loop	U	U	U	U

CONDITION / CONTAMINATION

15-Mar-23 25-Nov-22 27-May-22 10-Jan-22

VISCOSITY (Centistokes)

V100	Viscosity at 100 C	10.40	11.90	10.80	12.00
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VISCOSITY (Centistokes)

V40	Viscosity at 40 C	69.60	86.60	73.90	87.60
-----	-------------------	-------	-------	-------	-------

VISCOSITY INDEX

VI	Viscosity Index	136	130	134	130
----	-----------------	-----	-----	-----	-----

INFRARED (UFM)

ST	Soot	13	21	21	25
OXI	Oxidation	13	15	14	15
SUL	Sulfur Products	18	21	19	20
NIT	Nitration	6	7	7	7

ANTIFREEZE

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

FUEL

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

FUEL CONTENT (%)

PFc	Percent Fuel	2.10	0.83
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WATER

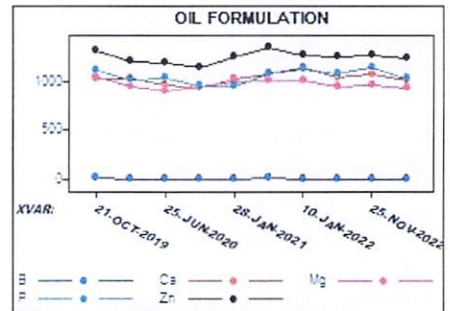
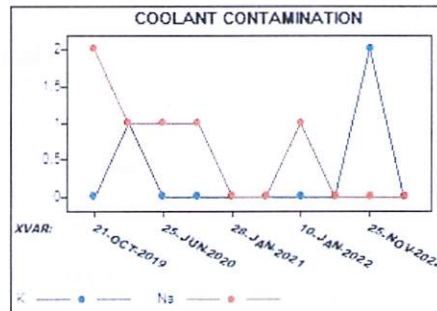
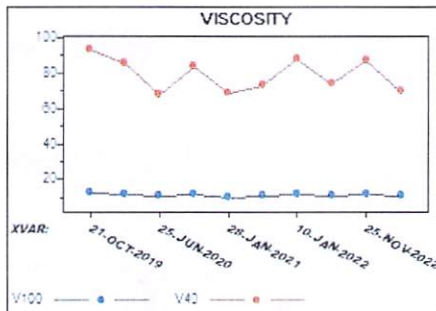
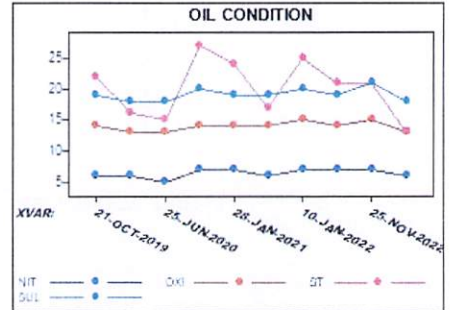
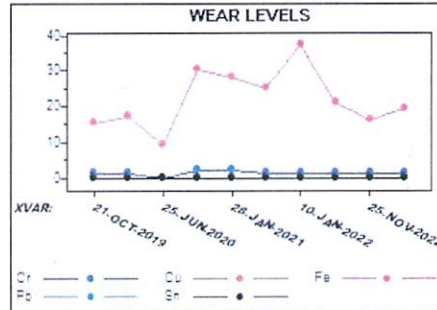
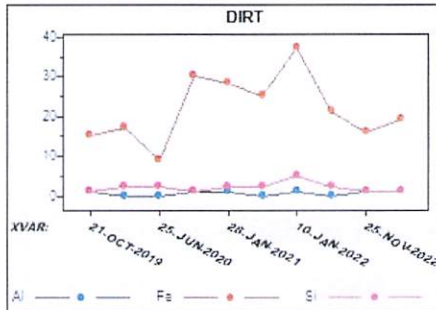
W	Water	N	N	N	N
---	-------	---	---	---	---

WEAR LEVELS / ADDITIVES

15-Mar-23 25-Nov-22 27-May-22 10-Jan-22

ELEMENTAL ANALYSIS (ppm)

	15-Mar-23	25-Nov-22	27-May-22	10-Jan-22
Na Sodium	0	0	0	1
K Potassium	0	2	0	0
Si Silicon	1	1	2	5
Al Aluminum	1	1	0	1
Fe Iron	19	16	21	37
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	0
Ag Silver	0	0	0	0
Ti Titanium	0	0	0	0
V Vanadium	0	0	0	0
Zn Zinc	1239	1270	1253	1267
Ca Calcium	1008	1078	1045	1131
Mg Magnesium	931	955	950	1007
Ba Barium	0	0	0	0
B Boron	1	1	0	0
Mo Molybdenum	54	62	57	66
P Phosphorus	1019	1144	1066	1123



Report Comment

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ENGINE

EQUIP NUM: SK627

SERIAL NUMBER: 54500965

N030-52341-0329

LABEL#: 201144235

SAMPLE SHIP TIME (days) : 12

GALENA CONTRACTORS

LTD

RECEIVED DATE: 07-Dec-22

CAT 545C - CAT C7



No Action Required

Interp By: Gregory Scribner

Interpreted On: 08-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

	25-Nov-22	27-May-22	10-Jan-22	02-Jun-21
Sampled Date	25-Nov-22	27-May-22	10-Jan-22	02-Jun-21
Sample Id	N030-52341-0329	N030-52158-0668	N030-52019-0464	N030-51161-0219
Lab Date	07-Dec-22	07-Jun-22	19-Jan-22	10-Jun-21
Meter [Hr]	12404	12095	11830	11575
Comp Meter [Hr]	12404	12095	11830	11575
Meter On Fluid	309	265	255	245
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	15W-40	15W-40	10W-30	15W-40
Fluid Type	DURON HP	DURON HP	DURON HP	DURON HP
Oil Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Kidney Loop	U	U	U	U

CONDITION / CONTAMINATION

		25-Nov-22	27-May-22	10-Jan-22	02-Jun-21
VISCOSITY (Centistokes)					
V100	Viscosity at 100 C	11.90	10.80	12.00	10.8

V40	Viscosity at 40 C	86.60	73.90	87.60	73.0
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VI	Viscosity Index	130	134	130	136
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ST	Soot	21	21	25	17
OXI	Oxidation	15	14	15	14
SUL	Sulfur Products	21	19	20	19
NIT	Nitration	7	7	7	6

A	Antifreeze	N	N	N	N
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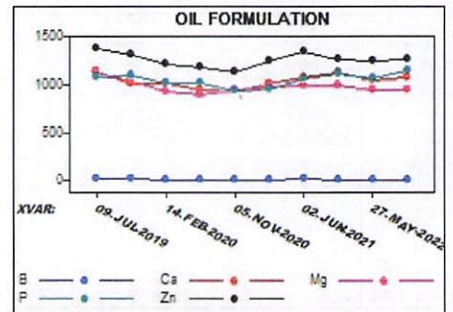
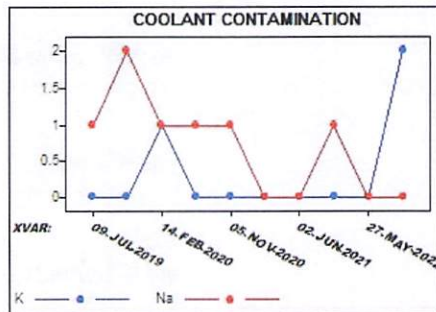
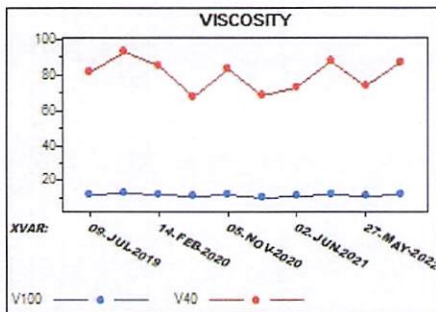
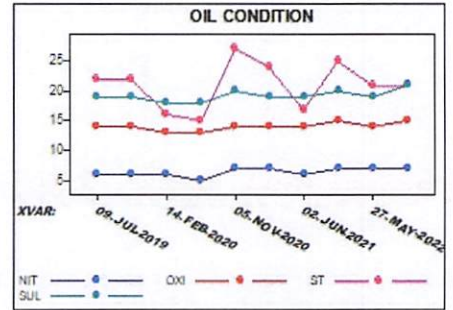
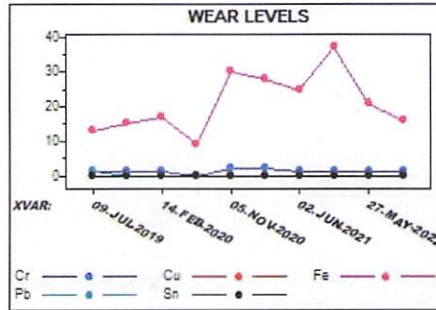
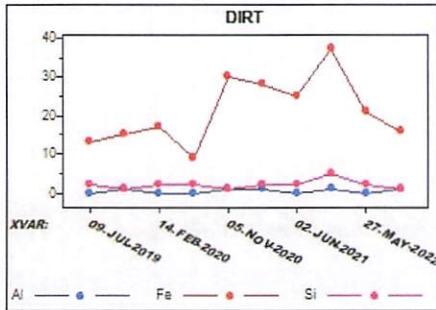
F	Fuel	N	N	N	N
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PFc	Percent Fuel	2.10	0.83		0.56
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W	Water	N	N	N	N
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WEAR LEVELS / ADDITIVES

	25-Nov-22	27-May-22	10-Jan-22	02-Jun-21	
ELEMENTAL ANALYSIS (ppm)					
Na	Sodium	0	0	1	0
K	Potassium	2	0	0	0
Si	Silicon	1	2	5	2
Al	Aluminum	1	0	1	0
Fe	Iron	16	21	37	25
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	0	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1270	1253	1267	1337
Ca	Calcium	1078	1045	1131	1077
Mg	Magnesium	955	950	1007	1003
Ba	Barium	0	0	0	0
B	Boron	1	0	0	2
Mo	Molybdenum	62	57	66	63
P	Phosphorus	1144	1066	1123	1070




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

N030-52158-0668
 LABEL#: 201050195
 SAMPLE SHIP TIME (days) : 11
GALENA CONTRACTORS
LTD
 RECEIVED DATE: 08-Jun-22

EQUIP NUM: SK627
CAT 545C - CAT C7
 **No Action Required**

SERIAL NUMBER: 54500965

Interp By: Fluid Interpreter
Interpreted On: 08-Jun-22

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

SAMPLE INFORMATION

	27-May-22	10-Jan-22	02-Jun-21	28-Jan-21
Sampled Date	27-May-22	10-Jan-22	02-Jun-21	28-Jan-21
Sample Id	N030-52158-0668	N030-52019-0464	N030-51161-0219	N030-51035-0248
Lab Date	07-Jun-22	19-Jan-22	10-Jun-21	04-Feb-21
Meter [Hr]	12095	11830	11575	11330
Comp Meter [Hr]	12095	11830	11575	11330
Meter On Fluid	265	255	245	250
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	15W-40	10W-30	15W-40	10W-30
Fluid Type	DURON HP	DURON HP	DURON HP	DURON HP
Fluid Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Kidney Loop	U	U	U	U

PREVIOUS SAMPLE

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

CONDITION / CONTAMINATION

	27-May-22	10-Jan-22	02-Jun-21	28-Jan-21
VISCOSITY (Centistokes)				
V100 Viscosity at 100 C	10.80	12.00	10.8	10.2
VISCOSITY (Centistokes)				
V40 Viscosity at 40 C	73.90	87.60	73.0	68.6

WEAR LEVELS / ADDITIVES

	27-May-22	10-Jan-22	02-Jun-21	28-Jan-21
ELEMENTAL ANALYSIS (ppm)				
Na Sodium	0	1	0	0
K Potassium	0	0	0	0
Si Silicon	2	5	2	2
Al Aluminum	0	1	0	1
Fe Iron	21	37	25	28
Cr Chromium	1	1	1	2
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	1253	1267	1337	1250
Ca Calcium	1045	1131	1077	1022
Mg Magnesium	950	1007	1003	988
Ba Barium	0	0	0	0
B Boron	0	0	2	1
Mo Molybdenum	57	66	63	63
P Phosphorus	1066	1123	1070	952

	27-May-22	10-Jan-22	02-Jun-21	28-Jan-21
VISCOSITY INDEX				
VI Viscosity Index	134	130	136	134

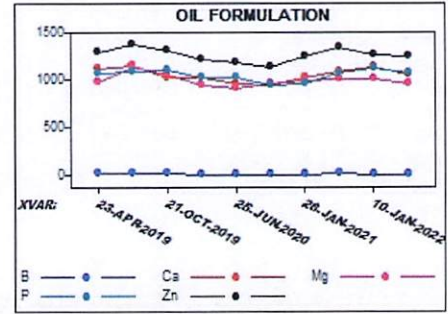
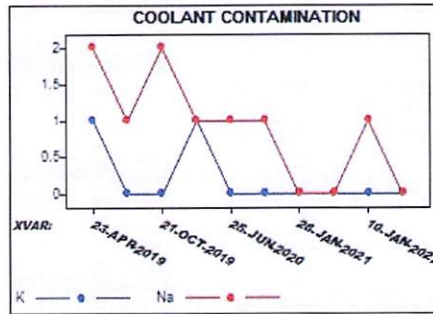
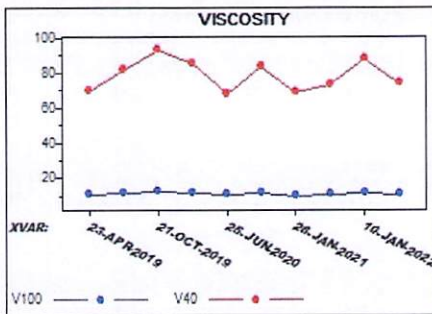
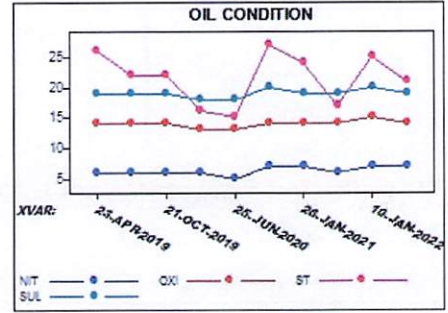
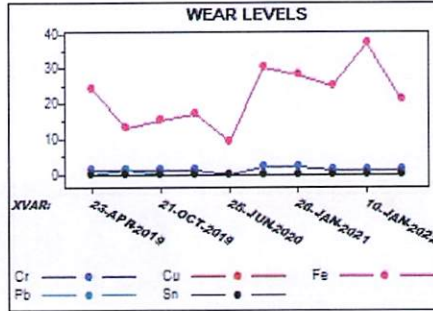
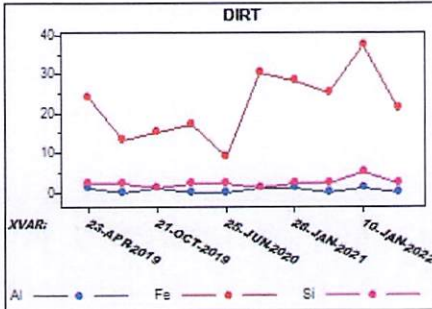
	27-May-22	10-Jan-22	02-Jun-21	28-Jan-21
INFRARED (UFM)				
ST Soot	21	25	17	24
OXI Oxidation	14	15	14	14
SUL Sulfur Products	19	20	19	19
NIT Nitration	7	7	6	7

	27-May-22	10-Jan-22	02-Jun-21	28-Jan-21
ANTIFREEZE				
A Antifreeze	N	N	N	N

	27-May-22	10-Jan-22	02-Jun-21	28-Jan-21
FUEL				
F Fuel	N	N	N	N

	27-May-22	10-Jan-22	02-Jun-21	28-Jan-21
FUEL CONTENT (%)				
PFC Percent Fuel	0.83	0.83	0.56	0.56

	27-May-22	10-Jan-22	02-Jun-21	28-Jan-21
WATER				
W Water	N	N	N	N



Report Comment

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