


ENGINE

EQUIP NUM: EX137
DEERE 2654G

SERIAL NUMBER: JD260025

Interp By: Peter Lewandowski
Interpreted On: 01-Mar-24

N030-54060-0275
LABEL#: 201558775
SAMPLE SHIP TIME (days) : 8
GALENA CONTRACTORS
LTD
RECEIVED DATE: 29-Feb-24

 **No Action Required**
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-Feb-24	08-Dec-23	27-Sep-23	07-Jul-23
Sampled Date	21-Feb-24	08-Dec-23	27-Sep-23	07-Jul-23
Sample Id	N030-54060-0275	N030-53349-0195	N030-53283-0057	N030-53200-0407
Lab Date	29-Feb-24	15-Dec-23	10-Oct-23	19-Jul-23
Meter [Hr]	8062	7780	7540	7242
Comp Meter [Hr]	8062	7780	7540	7242
Meter On Fluid	250	250	298	400
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
Make Up Fluid [L]	24	28		
Kidney Loop	U	U	U	U

CONDITION / CONTAMINATION

		21-Feb-24	08-Dec-23	27-Sep-23	07-Jul-23
VISCOSITY (Centistokes)					
V100	Viscosity at 100 C	11.70	14.60	14.70	12.30
VISCOSITY (Centistokes)					
V40	Viscosity at 40 C	76.50	105.2	109.3	82.40
VISCOSITY INDEX					
VI	Viscosity Index	147	143	139	145
INFRARED (UFM)					
ST	Soot	5	9	44	51
OXI	Oxidation	15	14	15	15
SUL	Sulfur Products	19	19	21	21
NIT	Nitration	6	6	7	8

WEAR LEVELS / ADDITIVES

ELEMENTAL ANALYSIS (ppm)		21-Feb-24	08-Dec-23	27-Sep-23	07-Jul-23
Na	Sodium	3	4	7	46
K	Potassium	3	2	6	47
Si	Silicon	1	2	3	7
Al	Aluminum	1	1	2	2
Fe	Iron	12	15	29	25
Cr	Chromium	1	1	2	1
Pb	Lead	1	1	0	0
Cu	Copper	0	1	2	2
Sn	Tin	0	0	0	0
Ni	Nickel	1	1	2	2
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1275	1222	1279	1236
Ca	Calcium	1046	1097	1030	1080
Mg	Magnesium	1015	964	985	1062
Ba	Barium	0	0	0	0
B	Boron	1	1	0	1
Mo	Molybdenum	60	60	61	65
P	Phosphorus	1005	1064	1051	1008

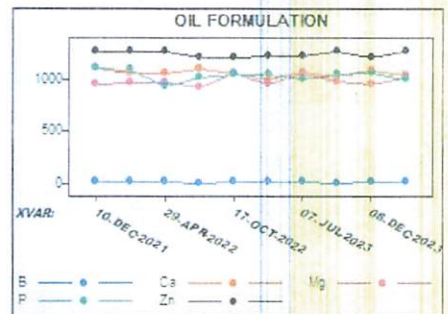
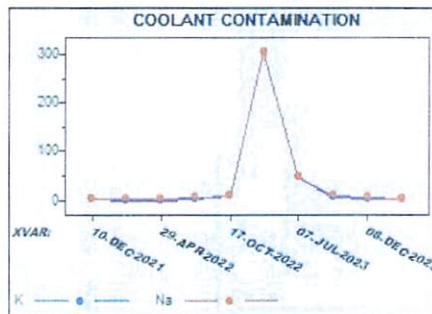
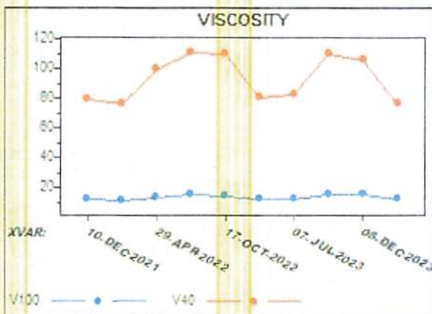
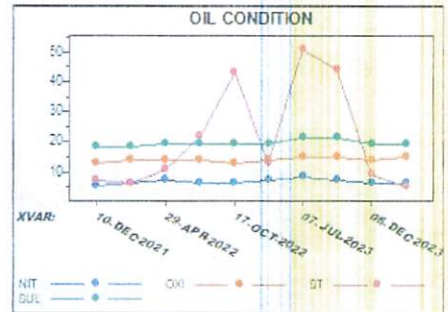
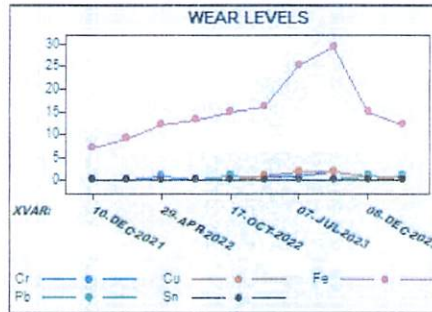
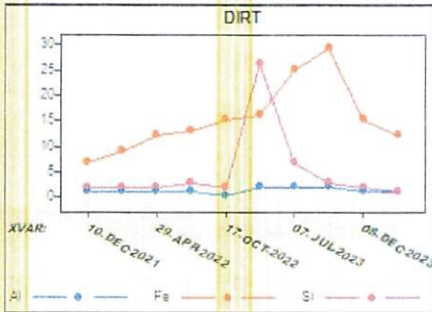
ANTIFREEZE					
A	Antifreeze	N	N	N	N
GLYCOL CONTENT (%)					
PGC	Percent Glycol Con				0.0075
FUEL					
F	Fuel	N	N	N	N
FUEL CONTENT (%)					
PFc	Percent Fuel				0.56
WATER					
W	Water	N	N	N	N

ENGINE
 SERIAL NUMBER: JD280025
 EQUIP NUM: EX137
 DEERE 2654G

N03D-54080-0275



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=4h8bREJVVrs>. 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

N030-53349-0195
 LABEL#: 201488128
 SAMPLE SHIP TIME (days) : 7
GALENA CONTRACTORS LTD
 RECEIVED DATE: 15-Dec-23

EQUIP NUM: EX137
DEERE 2654G
 **No Action Required**

SERIAL NUMBER: JD260025

Interp By: Gregory Scribner
Interpreted On: 19-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

	08-Dec-23	27-Sep-23	07-Jul-23	19-Jan-23
Sampled Date	08-Dec-23	27-Sep-23	07-Jul-23	19-Jan-23
Sample Id	N030-53349-0195	N030-53283-0057	N030-53200-0407	N030-53027-0234
Lab Date	15-Dec-23	10-Oct-23	19-Jul-23	27-Jan-23
Meter [Hr]	7780	7540	7242	6840
Comp Meter [Hr]	7780	7540	7242	6840
Meter On Fluid	250	298	400	292
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	N
Filter Change	Y	Y	Y	N
Take Up Fluid [L]	28			
Idle Loop	U	U	U	U

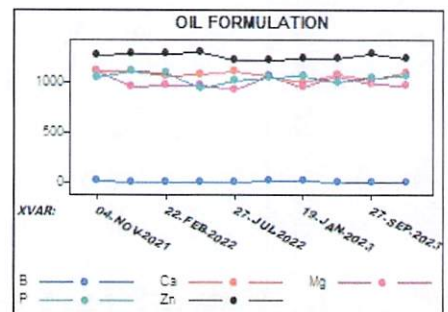
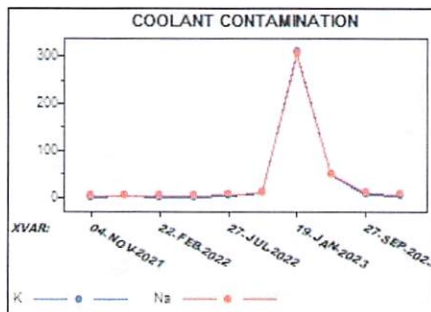
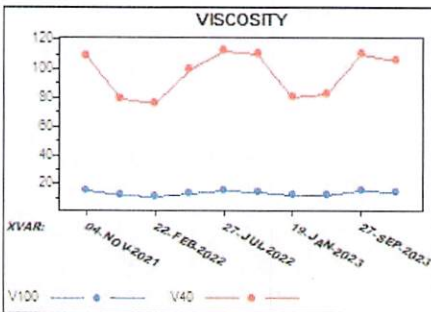
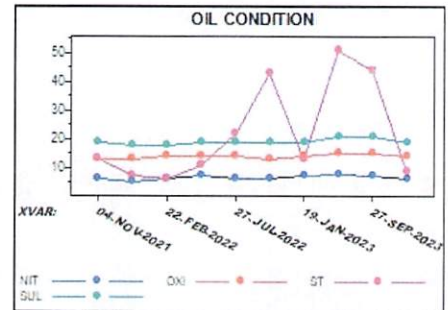
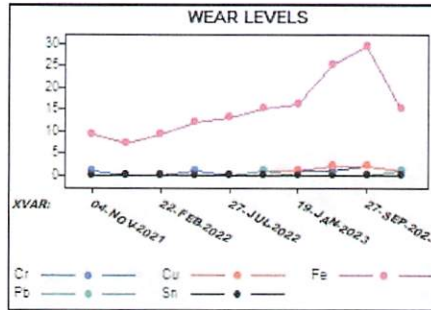
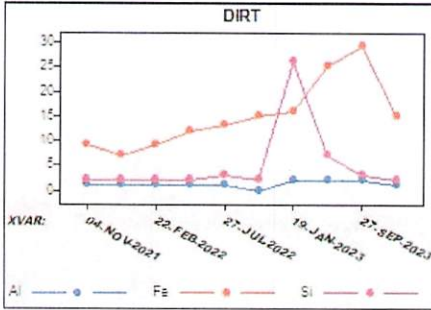
CONDITION / CONTAMINATION

		08-Dec-23	27-Sep-23	07-Jul-23	19-Jan-23
VISCOSITY (Centistokes)					
V100	Viscosity at 100 C	14.60	14.70	12.30	11.80
VISCOSITY (Centistokes)					
V40	Viscosity at 40 C	105.2	109.3	82.40	79.70
VISCOSITY INDEX					
VI	Viscosity Index	143	139	145	142
INFRARED (UFM)					
ST	Soot	9	44	51	13
OXI	Oxidation	14	15	15	14
SUL	Sulfur Products	19	21	21	19
NIT	Nitration	6	7	8	7

WEAR LEVELS / ADDITIVES

		08-Dec-23	27-Sep-23	07-Jul-23	19-Jan-23
ELEMENTAL ANALYSIS (ppm)					
Na	Sodium	4	7	46	303
K	Potassium	2	6	47	306
Si	Silicon	2	3	7	26
Al	Aluminum	1	2	2	2
Fe	Iron	15	29	25	16
Cr	Chromium	1	2	1	1
Pb	Lead	1	0	0	0
Cu	Copper	1	2	2	1
Sn	Tin	0	0	0	0
Ni	Nickel	1	2	2	1
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1222	1279	1236	1227
Ca	Calcium	1097	1030	1080	1008
Mg	Magnesium	964	985	1062	954
Ba	Barium	0	0	0	0
B	Boron	1	0	1	4
Mo	Molybdenum	60	61	65	75
P	Phosphorus	1064	1051	1008	1056

ANTIFREEZE					
A	Antifreeze	N	N	N	N
GLYCOL CONTENT (%)					
PGC	Percent Glycol Con			0.0075	0.0311
FUEL					
F	Fuel	N	N	N	N
FUEL CONTENT (%)					
PFc	Percent Fuel			0.56	
WATER					
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: EX137

SERIAL NUMBER: JD260025

N030-53283-0057

LABEL#: 201384265

SAMPLE SHIP TIME (days) : 13

GALENA CONTRACTORS

LTD

RECEIVED DATE: 10-Oct-23

DEERE 2654G

No Action Required

Interp By: Gregory Scribner

Interpreted On: 12-Oct-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

	27-Sep-23	07-Jul-23	19-Jan-23	17-Oct-22
Sampled Date	27-Sep-23	07-Jul-23	19-Jan-23	17-Oct-22
Sample Id	N030-53283-0057	N030-53200-0407	N030-53027-0234	N030-52301-0250
Lab Date	10-Oct-23	19-Jul-23	27-Jan-23	28-Oct-22
Meter [Hr]	7540	7242	6840	6548
Comp Meter [Hr]	7540	7242	6840	6548
Meter On Fluid	298	400	292	317
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	15W-40	15W-40	10W-30	15W-40
Fluid Type	DURON SHP	DURON SHP	DURON SHP	DURON SHP
Fluid Change	Y	Y	N	Y
Filter Change	Y	Y	N	Y
Kidney Loop	U	U	U	U

CONDITION / CONTAMINATION

		27-Sep-23	07-Jul-23	19-Jan-23	17-Oct-22
VISCOSITY (Centistokes)					
V100	Viscosity at 100 C	14.70	12.30	11.80	14.00
VISCOSITY (Centistokes)					
V40	Viscosity at 40 C	109.3	82.40	79.70	109.1
VISCOSITY INDEX					
VI	Viscosity Index	139	145	142	129

WEAR LEVELS / ADDITIVES

		27-Sep-23	07-Jul-23	19-Jan-23	17-Oct-22
ELEMENTAL ANALYSIS (ppm)					
Na	Sodium	7	46	303	8
K	Potassium	6	47	306	7
Si	Silicon	3	7	26	2
Al	Aluminum	2	2	2	0
Fe	Iron	29	25	16	15
Cr	Chromium	2	1	1	1
Pb	Lead	0	0	0	1
Cu	Copper	2	2	1	1
Sn	Tin	0	0	0	0
Ni	Nickel	2	2	1	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1279	1236	1227	1210
Ca	Calcium	1030	1080	1008	1068
Mg	Magnesium	985	1062	954	1064
Ba	Barium	0	0	0	0
B	Boron	0	1	4	2
Mo	Molybdenum	61	65	75	60
P	Phosphorus	1051	1008	1056	1047

INFRARED (UFM)

		27-Sep-23	07-Jul-23	19-Jan-23	17-Oct-22
ST	Soot	44	51	13	43
OXI	Oxidation	15	15	14	13
SUL	Sulfur Products	21	21	19	19
NIT	Nitration	7	8	7	6

ANTIFREEZE

		27-Sep-23	07-Jul-23	19-Jan-23	17-Oct-22
A	Antifreeze	N	N	N	N

GLYCOL CONTENT (%)

		27-Sep-23	07-Jul-23	19-Jan-23	17-Oct-22
PGC	Percent Glycol Con		0.0075	0.0311	

FUEL

		27-Sep-23	07-Jul-23	19-Jan-23	17-Oct-22
F	Fuel	N	N	N	N

FUEL CONTENT (%)

		27-Sep-23	07-Jul-23	19-Jan-23	17-Oct-22
PFC	Percent Fuel		0.56		

WATER

		27-Sep-23	07-Jul-23	19-Jan-23	17-Oct-22
W	Water	N	N	N	N

ENGINE

EQUIP NUM: EX137

SERIAL NUMBER: JD260025

N030-53200-0407

LABEL#: 201384392

SAMPLE SHIP TIME (days) : 12

GALENA CONTRACTORS

LTD

RECEIVED DATE: 19-Jul-23

DEERE 2654G



Monitor Compartment

Interp By: Gregory Scribner

Interpreted On: 21-Jul-23

ELEVATED SODIUM AND POTASSIUM MAY BE RESIDUALS FROM COMBUSTED COOLANT. GLYCOL TEST IS NEGATIVE. GLYCOL CAN BURN OFF IF COOLANT ENTERS THROUGH THE CYLINDERS OR EGR COOLER (IF APPLICABLE). THIS CAN PREVENT ACCURATE DETECTION OF GLYCOL BY OUR INSTRUMENT. WEAR METAL ANALYSIS INDICATES ACCEPTABLE WEAR RATE. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL. MONITOR FOR COOLANT CONSUMPTION.

SAMPLE INFORMATION

	07-Jul-23	19-Jan-23	17-Oct-22	27-Jul-22
Sampled Date	07-Jul-23	19-Jan-23	17-Oct-22	27-Jul-22
Sample Id	N030-53200-0407	N030-53027-0234	N030-52301-0250	N030-52216-0399
Lab Date	19-Jul-23	27-Jan-23	28-Oct-22	04-Aug-22
Meter [Hr]	7242	6840	6548	6231
Comp Meter [Hr]	7242	6840	6548	6231
Meter On Fluid	400	292	317	325
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
Oil Change	Y	N	Y	Y
Filter Change	Y	N	Y	Y
Kidney Loop	U	U	U	U

CONDITION / CONTAMINATION

		07-Jul-23	19-Jan-23	17-Oct-22	27-Jul-22
VISCOSITY (Centistokes)					
V100	Viscosity at 100 C	12.30	11.80	14.00	14.70
VISCOSITY (Centistokes)					
V40	Viscosity at 40 C	82.40	79.70	109.1	111.2
VISCOSITY INDEX					
VI	Viscosity Index	145	142	129	136

WEAR LEVELS / ADDITIVES

	07-Jul-23	19-Jan-23	17-Oct-22	27-Jul-22	
ELEMENTAL ANALYSIS (ppm)					
Na	Sodium	46	303	8	6
K	Potassium	47	306	7	2
Si	Silicon	7	26	2	3
Al	Aluminum	2	2	0	1
Fe	Iron	25	16	15	13
Cr	Chromium	1	1	1	0
Pb	Lead	0	0	1	0
Cu	Copper	2	1	1	0
Sn	Tin	0	0	0	0
Ni	Nickel	2	1	0	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1236	1227	1210	1213
Ca	Calcium	1080	1008	1068	1108
Mg	Magnesium	1062	954	1064	922
Ba	Barium	0	0	0	0
B	Boron	1	4	2	0
Mo	Molybdenum	65	75	60	58
P	Phosphorus	1008	1056	1047	1021

INFRARED (UFM)

		07-Jul-23	19-Jan-23	17-Oct-22	27-Jul-22
ST	Soot	51	13	43	22
OXI	Oxidation	15	14	13	14
SUL	Sulfur Products	21	19	19	19
NIT	Nitration	8	7	6	6

ANTIFREEZE

		07-Jul-23	19-Jan-23	17-Oct-22	27-Jul-22
A	Antifreeze	N	N	N	N

GLYCOL CONTENT (%)

		07-Jul-23	19-Jan-23	17-Oct-22	27-Jul-22
PGC	Percent Glycol Con	0.0075	0.0311		

FUEL

		07-Jul-23	19-Jan-23	17-Oct-22	27-Jul-22
F	Fuel	N	N	N	N

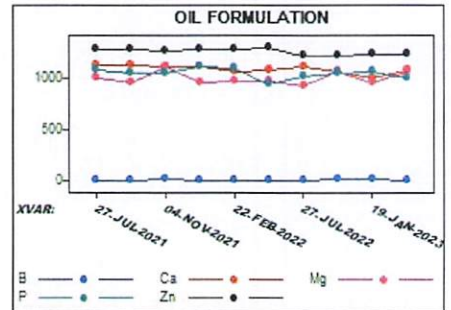
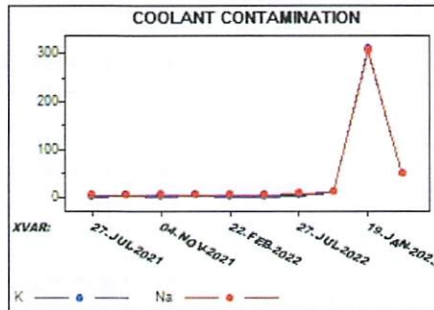
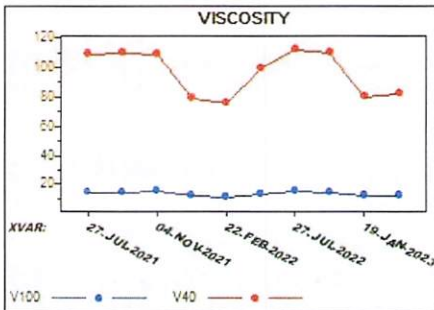
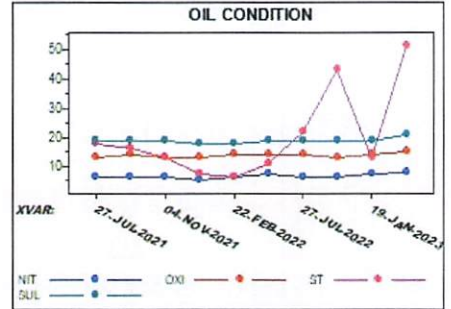
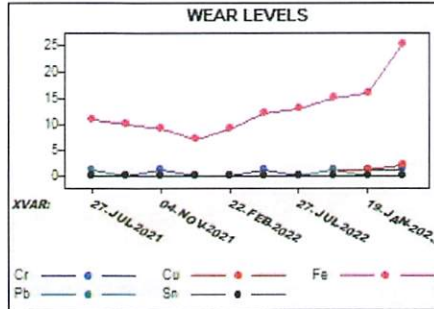
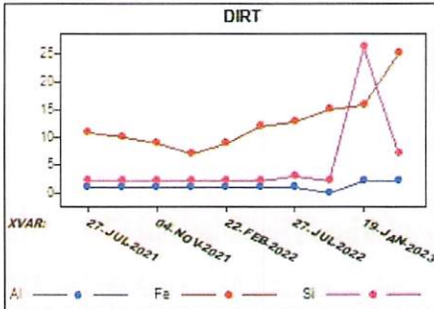
FUEL CONTENT (%)

		07-Jul-23	19-Jan-23	17-Oct-22	27-Jul-22
PFc	Percent Fuel	0.56			

WATER

		07-Jul-23	19-Jan-23	17-Oct-22	27-Jul-22
W	Water	N	N	N	N

- ITS Going Down, need to keep monitoring. Check LAST Repairs. FIRST oil change since EGR cooler changed. was leaking & burning coolant. NO info from operators just addine coolant.



Report Comment

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HYDRAULIC SYSTEM

EQUIP NUM: EX137

SERIAL NUMBER: JD260025

N030-53037-0638

LABEL#: 201173302

SAMPLE SHIP TIME (days) : 12

GALENA CONTRACTORS

LTD

RECEIVED DATE: 06-Feb-23

DEERE 2654G



No Action Required

Interp By: Fluid Interpreter

Interpreted On: 08-Feb-23

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

SAMPLE INFORMATION

	25-Jan-23	29-Apr-22
Sampled Date	25-Jan-23	29-Apr-22
Sample Id	N030-53037-0638	N030-52129-0908
Lab Date	06-Feb-23	09-May-22
Meter [Hr]	6841	5906
Comp Meter [Hr]	6841	5906
Meter On Fluid	3221	5906
Fluid Brand	JOHNDEERE	JOHNDEERE
Fluid Weight	32-ISO	
Fluid Type	HYDRA	HYDRA
Fluid Change	N	N
Filter Change	Y	Y
Kidney Loop	U	U

CONDITION / CONTAMINATION

		25-Jan-23	29-Apr-22
VISCOSITY (Centistokes)			
V100	Viscosity at 100 C	6.000	6.100

		25-Jan-23	29-Apr-22
VISCOSITY (Centistokes)			
V40	Viscosity at 40 C	35.00	36.60

		25-Jan-23	29-Apr-22
VISCOSITY INDEX			
VI	Viscosity Index	117	113

		25-Jan-23	29-Apr-22
INFRARED (UFM)			
ST	Soot	0	0
OXI	Oxidation	4	4
SUL	Sulfur Products	13	13
NIT	Nitration	2	3

		25-Jan-23	29-Apr-22
ANTIFREEZE			
A	Antifreeze	N	N

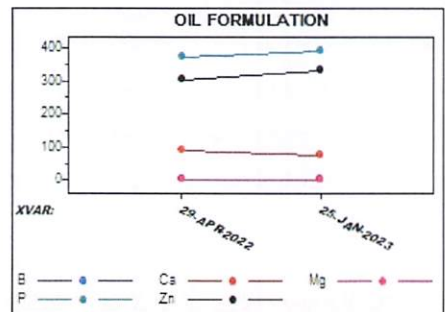
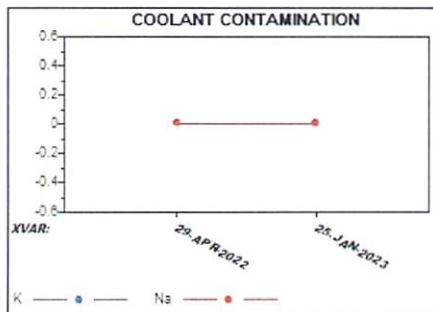
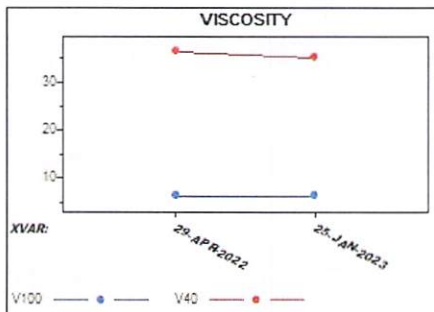
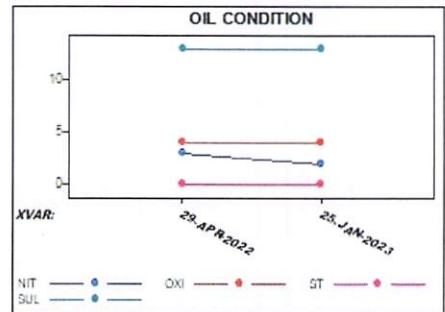
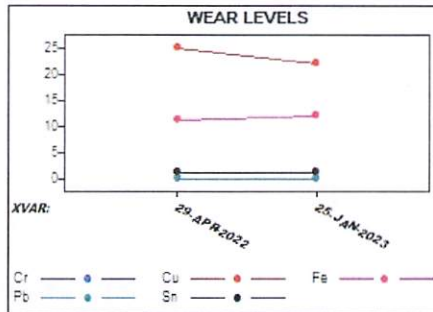
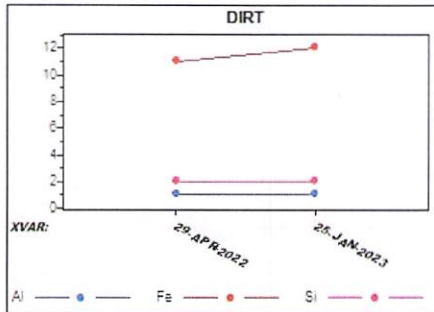
		25-Jan-23	29-Apr-22
WATER			
W	Water	N	N

CLEANLINESS

		25-Jan-23	29-Apr-22
PARTICLE COUNT			
ISO	ISO Code Rating	19/15/11	19/16/11
4µ	4µ	4453	3226
6µ	6µ	198	342
10µ	10µ	32	48
14µ	14µ	13	15
18µ	18µ	8	5
21µ	21µ	6	3
38µ	38µ	2	1
50µ	50µ	2	1

WEAR LEVELS / ADDITIVES

		25-Jan-23	29-Apr-22
ELEMENTAL ANALYSIS (ppm)			
Na	Sodium	0	0
K	Potassium	0	0
Si	Silicon	2	2
Al	Aluminum	1	1
Fe	Iron	12	11
Cr	Chromium	1	1
Pb	Lead	0	0
Cu	Copper	22	25
Sn	Tin	1	1
Ni	Nickel	0	0
Ag	Silver	0	0
Ti	Titanium	0	0
V	Vanadium	0	0
Zn	Zinc	330	305
Ca	Calcium	77	91
Mg	Magnesium	4	3
Ba	Barium	0	0
B	Boron	0	0
Mo	Molybdenum	0	0
P	Phosphorus	393	371



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: EX137

SERIAL NUMBER: JD260025

N030-53027-0234

LABEL#: 201173155

SAMPLE SHIP TIME (days) : 8

GALENA CONTRACTORS LTD

RECEIVED DATE: 27-Jan-23

DEERE 2654G



Action Required

Interp By: Gregory Scribner

Interpreted On: 01-Feb-23

ELEVATED SODIUM AND POTASSIUM MAY BE RESIDUALS FROM COMBUSTED COOLANT. GLYCOL TEST IS NEGATIVE. GLYCOL CAN BURN OFF IF COOLANT ENTERS THROUGH THE CYLINDERS OR EGR COOLER (IF APPLICABLE). THIS CAN PREVENT ACCURATE DETECTION OF GLYCOL BY OUR INSTRUMENT. INCREASED SILICON CONTENT. VISCOSITY INDICATES A 30W OIL. FUEL TEST IS NEGATIVE. RECOMMEND OIL CHANGE. RESAMPLE AT HALF THE NORMAL INTERVAL. MONITOR FOR COOLANT CONSUMPTION. SUGGEST INVESTIGATING FOR POSSIBLE COOLANT LEAK.

→ were losing coolant alot. Burning needs to check EGR coin & Valve. lots of white smoke after sitting than starting

SAMPLE INFORMATION



	19-Jan-23	17-Oct-22	27-Jul-22	29-Apr-22
Sampled Date	19-Jan-23	17-Oct-22	27-Jul-22	29-Apr-22
Sample Id	N030-53027-0234	N030-52301-0250	N030-52216-0399	N030-52129-0907
Lab Date	27-Jan-23	28-Oct-22	04-Aug-22	09-May-22
Meter [Hr]	6840	6548	6231	5906
Comp Meter [Hr]	6840	6548	6231	5906
Meter On Fluid	292	317	325	395
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
Fluid Change	N	Y	Y	Y
Filter Change	N	Y	Y	Y
Kidney Loop	U	U	U	U

CONDITION / CONTAMINATION

	19-Jan-23	17-Oct-22	27-Jul-22	29-Apr-22
VISCOSITY (Centistokes)				
V100 Viscosity at 100 C	11.80	14.00	14.70	13.40

VISCOSITY (Centistokes)				
V40 Viscosity at 40 C	79.70	109.1	111.2	99.10

VISCOSITY INDEX				
VI Viscosity Index	142	129	136	134

INFRARED (UFM)				
ST Soot	13	43	22	11
OXI Oxidation	14	13	14	14
SUL Sulfur Products	19	19	19	19
NIT Nitration	7	6	6	7

ANTIFREEZE				
A Antifreeze	N	N	N	N

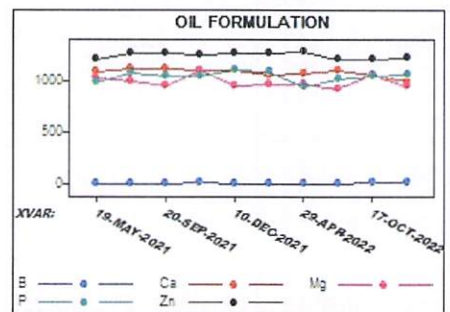
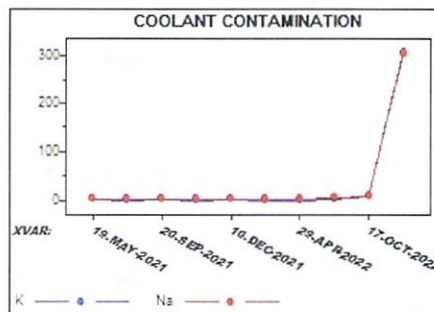
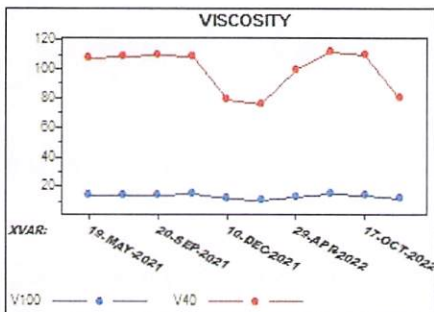
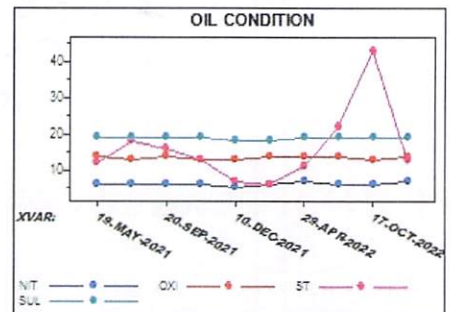
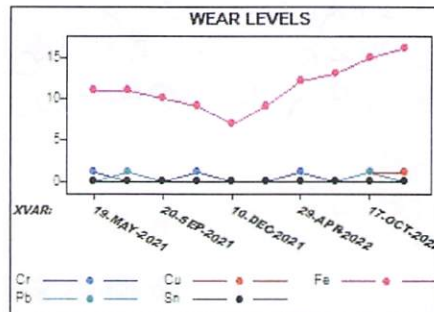
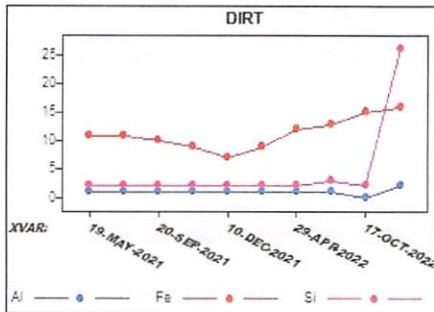
GLYCOL CONTENT (%)				
PGC Percent Glycol Con	0.0311			

FUEL				
F Fuel	N	N	N	N

WATER				
W Water	N	N	N	N

WEAR LEVELS / ADDITIVES

	19-Jan-23	17-Oct-22	27-Jul-22	29-Apr-22
ELEMENTAL ANALYSIS (ppm)				
Na Sodium	303	8	6	1
K Potassium	306	7	2	0
Si Silicon	26	2	3	2
Al Aluminum	2	0	1	1
Fe Iron	16	15	13	12
Cr Chromium	1	1	0	1
Pb Lead	0	1	0	0
Cu Copper	1	1	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	1227	1210	1213	1284
Ca Calcium	1008	1068	1108	1072
Mg Magnesium	954	1064	922	974
Ba Barium	0	0	0	0
B Boron	4	2	0	1
Mo Molybdenum	75	60	58	63
P Phosphorus	1056	1047	1021	932




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

N030-52301-0250
 LABEL#: 201146485
 SAMPLE SHIP TIME (days) : 11
GALENA CONTRACTORS
LTD
 RECEIVED DATE: 28-Oct-22

EQUIP NUM: EX137
DEERE 2654G

 **No Action Required**

SERIAL NUMBER: JD260025

Interp By: Gregory Scribner
Interpreted On: 31-Oct-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

	17-Oct-22	27-Jul-22	29-Apr-22	22-Feb-22
Sampled Date	17-Oct-22	27-Jul-22	29-Apr-22	22-Feb-22
Sample Id	N030-52301-0250	N030-52216-0399	N030-52129-0907	N030-52060-0422
Lab Date	28-Oct-22	04-Aug-22	09-May-22	01-Mar-22
Meter [Hr]	6548	6231	5906	5511
Comp Meter [Hr]	6548	6231	5906	5511
Meter On Fluid	317	325	395	295
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

		17-Oct-22	27-Jul-22	29-Apr-22	22-Feb-22
VISCOSITY (Centistokes)					
V100	Viscosity at 100 C	14.00	14.70	13.40	11.40
VISCOSITY (Centistokes)					
V40	Viscosity at 40 C	109.1	111.2	99.10	76.10
VISCOSITY INDEX					
VI	Viscosity Index	129	136	134	142

WEAR LEVELS / ADDITIVES

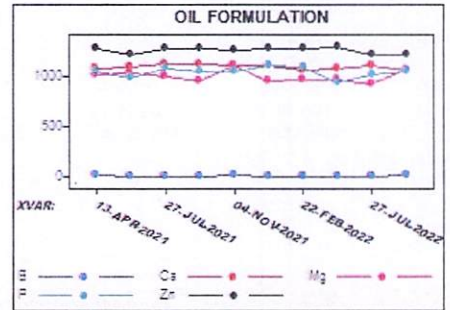
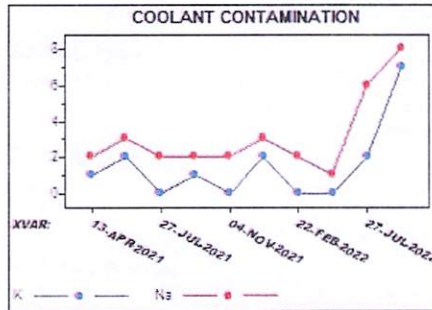
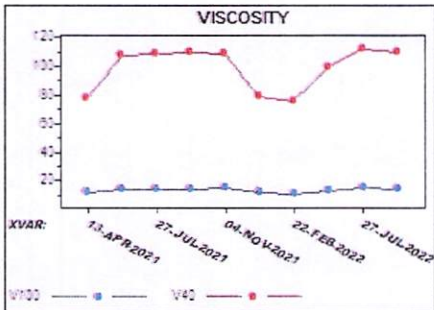
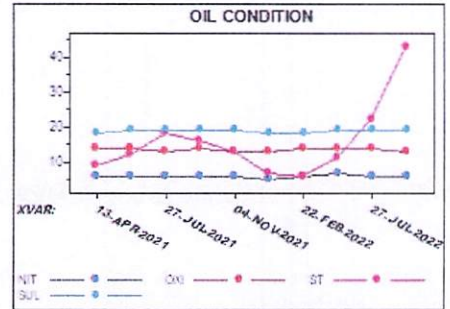
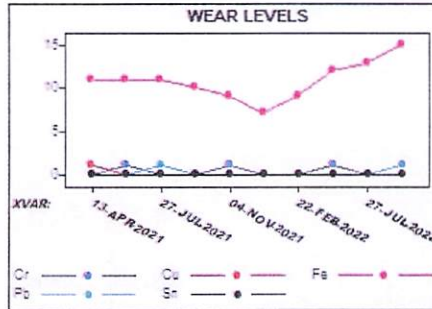
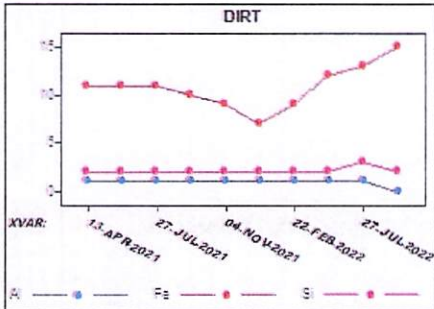
		17-Oct-22	27-Jul-22	29-Apr-22	22-Feb-22
ELEMENTAL ANALYSIS (ppm)					
Na	Sodium	8	6	1	2
K	Potassium	7	2	0	0
Si	Silicon	2	3	2	2
Al	Aluminum	0	1	1	1
Fe	Iron	15	13	12	9
Cr	Chromium	1	0	1	0
Pb	Lead	1	0	0	0
Cu	Copper	1	0	0	0
Sn	Tin	0	0	0	0
Ni	Nickel	0	0	0	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Zn	Zinc	1210	1213	1284	1275
Ca	Calcium	1068	1108	1072	1061
Mg	Magnesium	1064	922	974	976
Ba	Barium	0	0	0	0
B	Boron	2	0	1	1
Mo	Molybdenum	60	58	63	61
P	Phosphorus	1047	1021	932	1096

		17-Oct-22	27-Jul-22	29-Apr-22	22-Feb-22
INFRARED (UFM)					
ST	Soot	43	22	11	6
OXI	Oxidation	13	14	14	14
SUL	Sulfur Products	19	19	19	18
NIT	Nitration	6	6	7	6

		17-Oct-22	27-Jul-22	29-Apr-22	22-Feb-22
ANTIFREEZE					
A	Antifreeze	N	N	N	N

		17-Oct-22	27-Jul-22	29-Apr-22	22-Feb-22
FUEL					
F	Fuel	N	N	N	N

		17-Oct-22	27-Jul-22	29-Apr-22	22-Feb-22
WATER					
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=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.

ENGINE

EQUIP NUM: EX137

SERIAL NUMBER: JD260025

N030-52216-0399

LABEL#: 201136174

SAMPLE SHIP TIME (days) : 8

GALENA CONTRACTORS

LTD

RECEIVED DATE: 04-Aug-22

DEERE 2654G



No Action Required

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	29-Apr-22	22-Feb-22	10-Dec-21
Sampled Date	27-Jul-22	29-Apr-22	22-Feb-22	10-Dec-21
Sample Id	N030-52216-0399	N030-52129-0907	N030-52060-0422	N030-51351-0598
Lab Date	04-Aug-22	09-May-22	01-Mar-22	17-Dec-21
Meter [Hr]	6231	5906	5511	5216
Comp Meter [Hr]	6231	5906	5511	5216
Meter On Fluid	325	395	295	236
Fluid Brand	PETRO-CAN	PETRO-CAN	PETRO-CAN	PETRO-CAN
Fluid Weight	15W-40	15W-40	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

		27-Jul-22	29-Apr-22	22-Feb-22	10-Dec-21
VISCOSITY (Centistokes)					
V100	Viscosity at 100 C	14.70	13.40	11.40	11.5
VISCOSITY (Centistokes)					
V40	Viscosity at 40 C	111.2	99.10	76.10	78.8
VISCOSITY INDEX					
VI	Viscosity Index	136	134	142	138

WEAR LEVELS / ADDITIVES

	27-Jul-22	29-Apr-22	22-Feb-22	10-Dec-21	
ELEMENTAL ANALYSIS (ppm)					
Na	Sodium	6	1	2	3
K	Potassium	2	0	0	2
Si	Silicon	3	2	2	2
Al	Aluminum	1	1	1	1
Fe	Iron	13	12	9	7
Cr	Chromium	0	1	0	0
Pb	Lead	0	0	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	1213	1284	1275	1272
Ca	Calcium	1108	1072	1061	1107
Mg	Magnesium	922	974	976	962
Ba	Barium	0	0	0	0
B	Boron	0	1	1	1
Mo	Molybdenum	58	63	61	62
P	Phosphorus	1021	932	1096	1108

INFRARED (UFM)

		27-Jul-22	29-Apr-22	22-Feb-22	10-Dec-21
ST	Soot	22	11	6	7
OXI	Oxidation	14	14	14	13
SUL	Sulfur Products	19	19	18	18
NIT	Nitration	6	7	6	5

ANTIFREEZE

		27-Jul-22	29-Apr-22	22-Feb-22	10-Dec-21
A	Antifreeze	N	N	N	N

FUEL

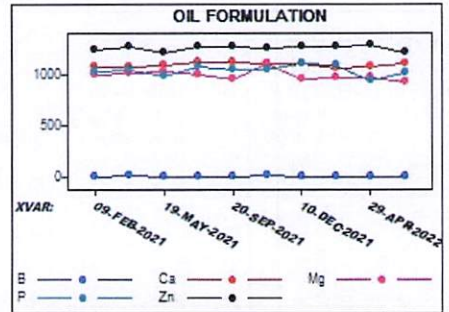
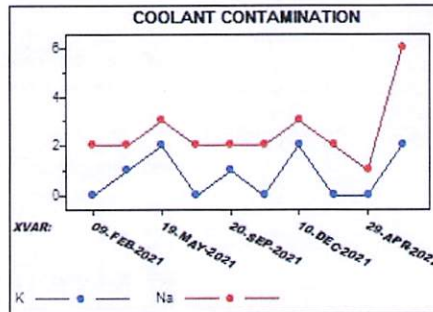
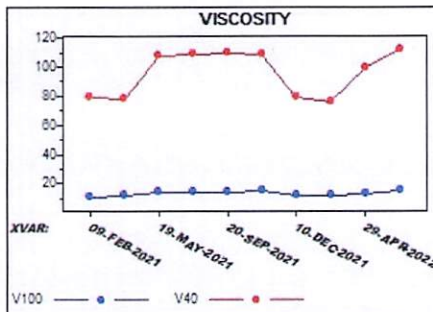
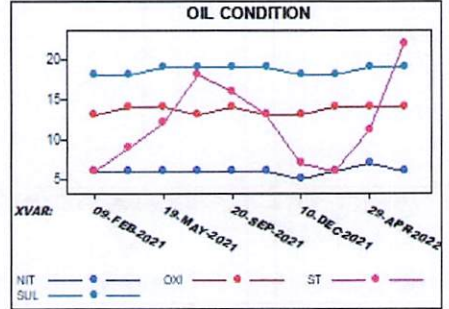
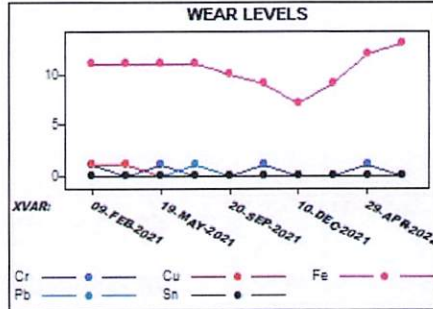
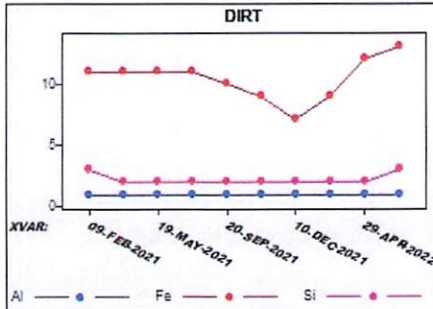
		27-Jul-22	29-Apr-22	22-Feb-22	10-Dec-21
F	Fuel	N	N	N	N

FUEL CONTENT (%)

		27-Jul-22	29-Apr-22	22-Feb-22	10-Dec-21
PFC	Percent Fuel				0.40

WATER

		27-Jul-22	29-Apr-22	22-Feb-22	10-Dec-21
W	Water	N	N	N	N



Report Comment

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ENGINE

N030-52129-0907

LABEL#: 200911278

SAMPLE SHIP TIME (days) : 10

GALENA CONTRACTORS

LTD

RECEIVED DATE: 09-May-22

EQUIP NUM: EX137

DEERE 2654G

 **No Action Required**

SERIAL NUMBER: JD260025

Interp By: Gregory Scribner

Interpreted On: 12-May-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

	29-Apr-22	22-Feb-22	10-Dec-21	04-Nov-21
Sampled Date	29-Apr-22	22-Feb-22	10-Dec-21	04-Nov-21
Sample Id	N030-52129-0907	N030-52060-0422	N030-51351-0598	N030-51316-0506
Lab Date	09-May-22	01-Mar-22	17-Dec-21	12-Nov-21
Meter [Hr]	5906	5511	5216	4980
Comp Meter [Hr]	5906	5511	5216	4980
Meter On Fluid	395	295	236	290
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	Y	Y
Filter Change	Y	Y	Y	Y
Bypass Loop	U	U	U	U

PREVIOUS SAMPLE

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

CONDITION / CONTAMINATION

		29-Apr-22	22-Feb-22	10-Dec-21	04-Nov-21
VISCOSITY (Centistokes)					
V100	Viscosity at 100 C	13.40	11.40	11.5	14.70
VISCOSITY (Centistokes)					
V40	Viscosity at 40 C	99.10	76.10	78.8	108.9

WEAR LEVELS / ADDITIVES

		29-Apr-22	22-Feb-22	10-Dec-21	04-Nov-21
ELEMENTAL ANALYSIS (ppm)					
Na	Sodium	1	2	3	2
K	Potassium	0	0	2	0
Si	Silicon	2	2	2	2
Al	Aluminum	1	1	1	1
Fe	Iron	12	9	7	9
Cr	Chromium	1	0	0	1
Pb	Lead	0	0	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	1284	1275	1272	1254
Ca	Calcium	1072	1061	1107	1106
Mg	Magnesium	974	976	962	1107
Ba	Barium	0	0	0	0
B	Boron	1	1	1	4
Mo	Molybdenum	63	61	62	58
P	Phosphorus	932	1096	1108	1051

VISCOSITY INDEX

		29-Apr-22	22-Feb-22	10-Dec-21	04-Nov-21
VI	Viscosity Index	134	142	138	139

INFRARED (UFM)

		29-Apr-22	22-Feb-22	10-Dec-21	04-Nov-21
ST	Soot	11	6	7	13
OXI	Oxidation	14	14	13	13
SUL	Sulfur Products	19	18	18	19
NIT	Nitration	7	6	5	6

ANTIFREEZE

		29-Apr-22	22-Feb-22	10-Dec-21	04-Nov-21
A	Antifreeze	N	N	N	N

FUEL

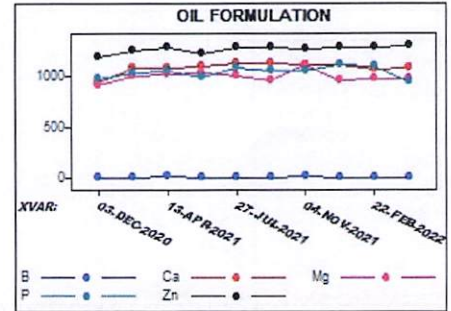
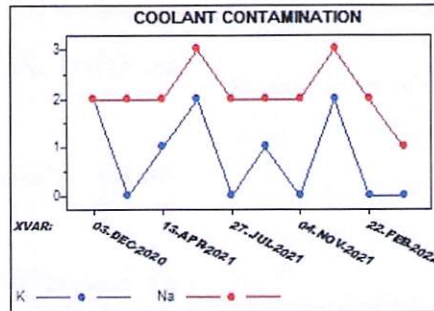
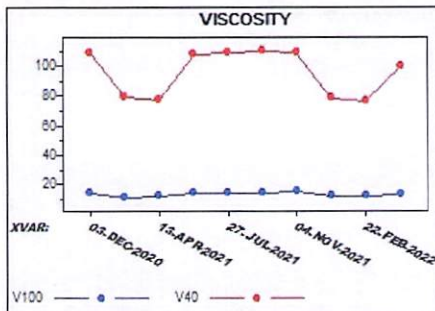
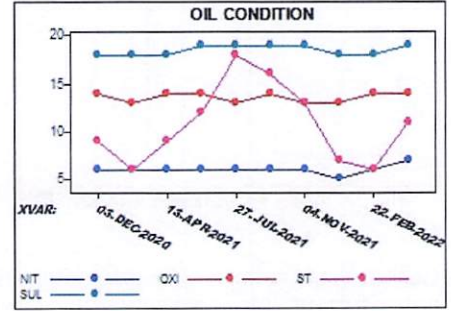
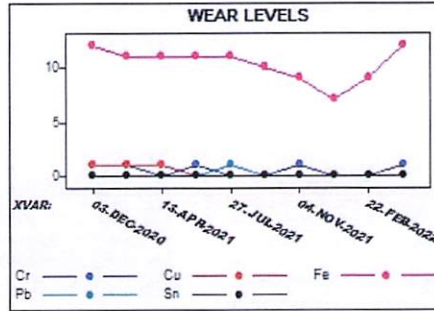
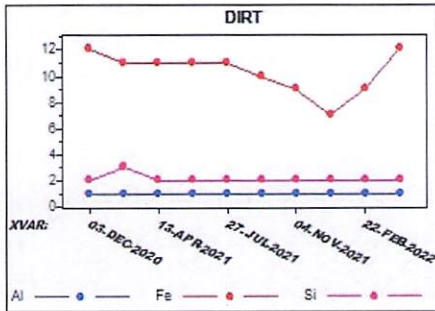
		29-Apr-22	22-Feb-22	10-Dec-21	04-Nov-21
F	Fuel	N	N	N	N

FUEL CONTENT (%)

		29-Apr-22	22-Feb-22	10-Dec-21	04-Nov-21
PFc	Percent Fuel			0.40	

WATER

		29-Apr-22	22-Feb-22	10-Dec-21	04-Nov-21
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.

HYDRAULIC SYSTEM

N030-52129-0908
 LABEL#: 200879617
 SAMPLE SHIP TIME (days) : 10
GALENA CONTRACTORS LTD
 RECEIVED DATE: 09-May-22

EQUIP NUM: EX137
 DEERE 2654G


 **No Action Required**

SERIAL NUMBER: JD260025

Interp By: Gregory Scribner
 Interpreted On: 12-May-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


 Sampled Date 29-Apr-22
 Sample Id N030-52129-0908
 Lab Date 09-May-22
 Meter [Hr] 5906
 Comp Meter [Hr] 5906
 Meter On Fluid 5906
 Fluid Brand JOHNDERE
 Fluid Weight
 Fluid Type HYDRA
 Fluid Change N
 Filter Change Y
 Suction Loop 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

29-Apr-22

VISCOSITY (Centistokes)

V100 Viscosity at 100 C 6.100

VISCOSITY (Centistokes)

V40 Viscosity at 40 C 36.60

VISCOSITY INDEX

VI Viscosity Index 113

INFRARED (UFM)

ST Soot 0
 OXI Oxidation 4
 SUL Sulfur Products 13
 NIT Nitration 3

ANTIFREEZE

A Antifreeze N

WATER

W Water N

WEAR LEVELS / ADDITIVES

29-Apr-22

ELEMENTAL ANALYSIS (ppm)

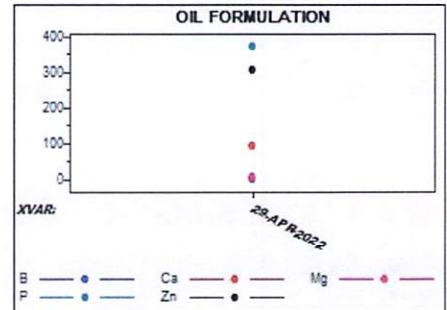
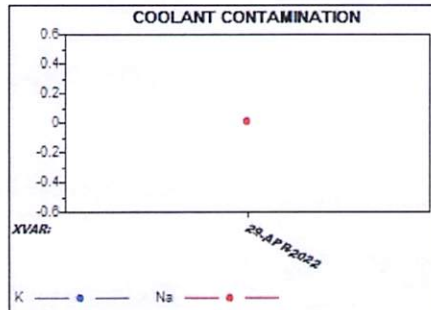
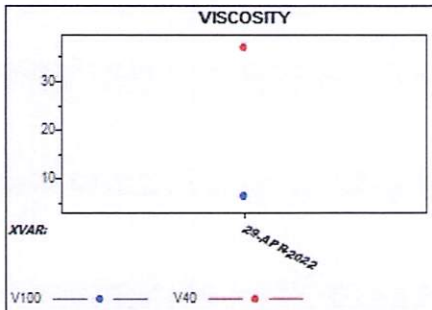
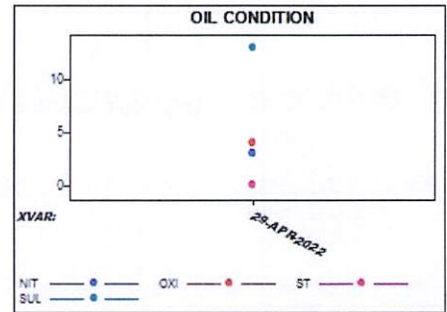
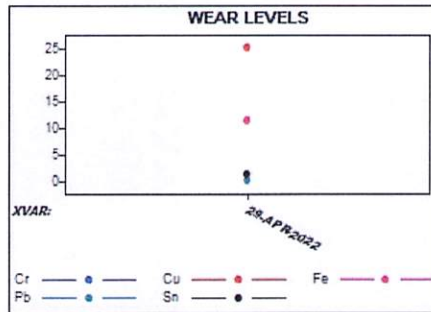
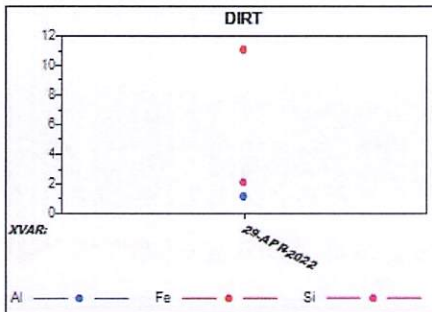
Na	Sodium	0
K	Potassium	0
Si	Silicon	2
Al	Aluminum	1
Fe	Iron	11
Cr	Chromium	1
Pb	Lead	0
Cu	Copper	25
Sn	Tin	1
Ni	Nickel	0
Ag	Silver	0
Ti	Titanium	0
V	Vanadium	0
Zn	Zinc	305
Ca	Calcium	91
Mg	Magnesium	3
Ba	Barium	0
B	Boron	0
Mo	Molybdenum	0
P	Phosphorus	371

CLEANLINESS

29-Apr-22

PARTICLE COUNT

ISO	ISO Code Rating	19/16/11
4µ	4µ	3226
6µ	6µ	342
10µ	10µ	48
14µ	14µ	15
18µ	18µ	5
21µ	21µ	3
38µ	38µ	1
50µ	50µ	1



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: EX137

SERIAL NUMBER: JD260025

N030-52060-0422

LABEL#: 200809392

SAMPLE SHIP TIME (days) : 7

GALENA CONTRACTORS

LTD

RECEIVED DATE: 01-Mar-22

DEERE 2654G



No Action Required

Interp By: Fluid Interpreter

Interpreted On: 02-Mar-22

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

SAMPLE INFORMATION

	22-Feb-22	10-Dec-21	04-Nov-21	20-Sep-21
Sampled Date	22-Feb-22	10-Dec-21	04-Nov-21	20-Sep-21
Sample Id	N030-52060-0422	N030-51351-0598	N030-51316-0506	N030-51271-0336
Lab Date	01-Mar-22	17-Dec-21	12-Nov-21	28-Sep-21
Meter [Hr]	5511	5216	4980	4690
Comp Meter [Hr]	5511	5216	4980	4690
Meter On Fluid	295	236	290	251
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
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

	22-Feb-22	10-Dec-21	04-Nov-21	20-Sep-21
VISCOSITY (Centistokes)				
V100 Viscosity at 100 C	11.40	11.5	14.70	14.4
VISCOSITY (Centistokes)				
V40 Viscosity at 40 C	76.10	78.8	108.9	109.1

WEAR LEVELS / ADDITIVES

	22-Feb-22	10-Dec-21	04-Nov-21	20-Sep-21
ELEMENTAL ANALYSIS (ppm)				
Na Sodium	2	3	2	2
K Potassium	0	2	0	1
Si Silicon	2	2	2	2
Al Aluminum	1	1	1	1
Fe Iron	9	7	9	10
Cr Chromium	0	0	1	0
Pb Lead	0	0	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	1275	1272	1254	1276
Ca Calcium	1061	1107	1106	1122
Mg Magnesium	976	962	1107	956
Ba Barium	0	0	0	0
B Boron	1	1	4	0
Mo Molybdenum	61	62	58	59
P Phosphorus	1096	1108	1051	1044

VISCOSITY INDEX

VI Viscosity Index	142	138	139	135
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INFRARED (UFM)

ST Soot	6	7	13	16
OXI Oxidation	14	13	13	14
SUL Sulfur Products	18	18	19	19
NIT Nitration	6	5	6	6

ANTIFREEZE

A Antifreeze	N	N	N	N
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FUEL

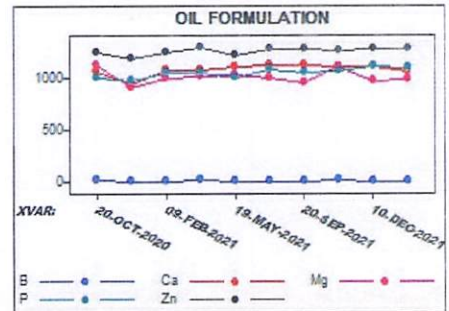
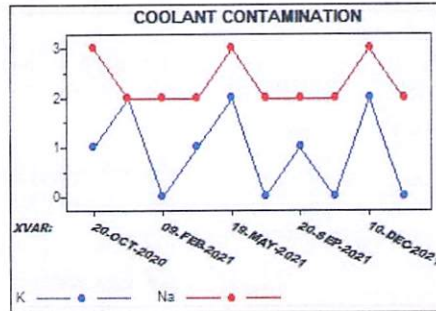
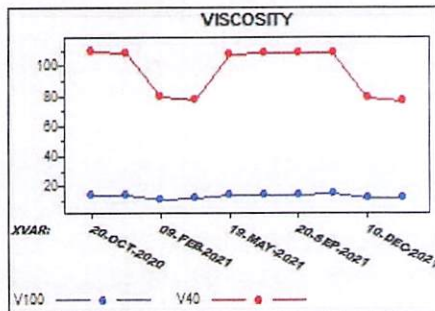
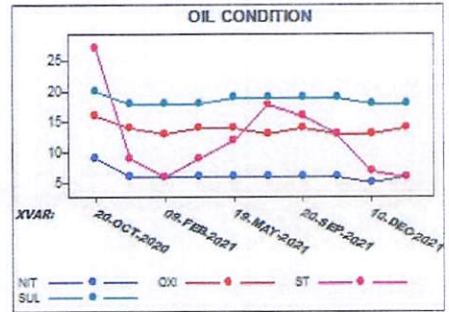
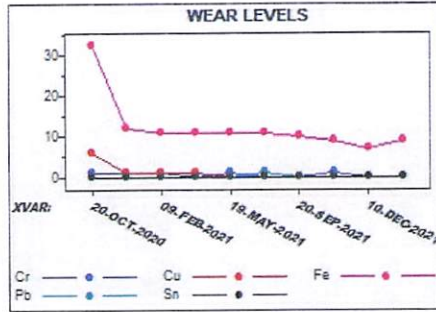
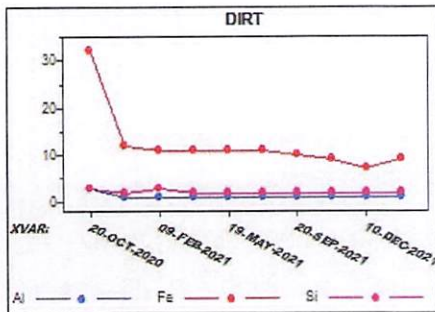
F Fuel	N	N	N	N
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FUEL CONTENT (%)

PFC Percent Fuel	0.40
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WATER

W Water	N	N	N	N
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Report Comment

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