

### HYDRAULIC SYSTEM

### N030-53032-0454

LABEL#: 200553641 SHOP JOB NUM : 2214860 SAMPLE SHIP TIME (days) : 6

RECEIVED DATE: 01-Feb-23

### EQUIP NUM: 7XM05040

### SERIAL NUMBER: 7XM05040

### CAT D8R



### Monitor Compartment

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

UNABLE TO TEST FOR PARTICLE COUNT (ISO CODE) DUE TO EXCESS PARTICULATE. WEAR METALS APPEAR TO BE AT ACCEPTABLE LEVELS. OTHER READINGS APPEAR TO BE NORMAL. SUGGEST RESAMPLING TO VERIFY ISO RESULTS. INSPECT ANY SCREEN(S)/ OIL FILTER(S) FOR VISIBLE METAL OR DEBRIS.

	FILEODI	LACITAL
SAMPI	F INFOR	MATION

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	A	d	

Sampled Date	26-Jan-23		
Sample Id	N030-53032-0454		
Lab Date	01-Feb-23		
Meter [Hr]	25198		
Meter On Fluid	25198		
Fluid Brand			
Fluid Weight			
Fluid Type			
Fluid Change	N		
Filter Change	N		

### CONDITION / CONTAMINATION

		26-Jan-23		
VISCO	SITY (Centistokes)			
V100	Viscosity at 100 C	7.500		

		AND DESCRIPTION OF THE PARTY OF	WHEN DESIGNATION IS NOT THE OWNER.	HOSERATED WHITE	
VISCO	OSITY (Centistokes)				
V40	Viscosity at 40 C	47.40			

VISCOSITY INDEX		
	400	

VI	Viscosity index	

ISO

ISO Code Rating

### WEAR LEVELS / ADDITIVES

524

Phosphorus

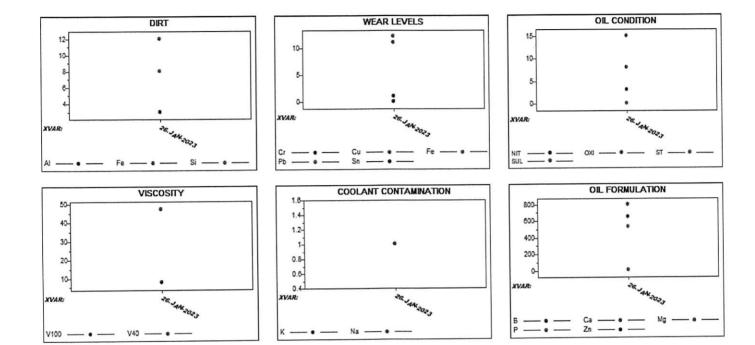
		26-Jan-23	
ELEM	ENTAL ANALYSIS (pp	m)	
Na	Sodium	1	
K	Potassium	1	
Si	Silicon	8	
AI	Aluminum	3	
Fe	Iron	12	
Cr	Chromium	1	
Pb	Lead	0	
Cu	Copper	11	
Sn	Tin	0	
Ni	Nickel	0	
Ag	Silver	0	
Ti	Titanium	0	
V	Vanadium	0	
Zn	Zinc	649	
Ca	Calcium	791	
Mg	Magnesium	8	
Ва	Barium	0	
В	Boron	3	
Мо	Molybdenum	1	

ST	Soot	0		
OXI	Oxidation	8		
SUL	Sulfur Products	15		
NIT	Nitration	3		

NAME OF TAXABLE PARTY.	NAME OF TAXABLE PARTY OF TAXABLE PARTY.		0500215031504	
ANTI	FREEZE			
Α	Antifreeze	N		

VA/		N	
W	ATER		

	CLEANLINESS	
W	26-Jan-23	
PARTICLE COUNT		



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information

on

updated! For more

4:00pm MST M-F at SOS Support: 1-888-FINNING or oilsupport@finning.com.



#### RADIATOR

### N030-53032-9005

LABEL#: 200191061 SHOP JOB NUM : 2214860 SAMPLE SHIP TIME (days) : 6

RECEIVED DATE: 01-Feb-23

### EQUIP NUM: 7XM05040

### CAT D8R

### No Action Required

SERIAL NUMBER: 7XM05040

Interp By: Greg Eyre Interpreted On: 07-Feb-23

ALL LEVEL 1 TESTS APPEAR NORMAL. CONTINUE TO USE THIS COOLANT. SAMPLE AGAIN AT THE REGULAR INTERVAL TO MONITOR THE COOLING SYSTEM.

### SAMPLE INFORMATION

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<01	L A	o	
		,	

Sampled Date	26-Jan-23	
Sample Id	N030-53032-9005	
Lab Date	01-Feb-23	
Meter [Hr]	25198	
Meter On Fluid	25198	
Fluid Brand		
Fluid Weight		
Fluid Type		
Fluid Change	N	
Filter Change	N	

ADDITIONAL CHARACTERISTIC	S

GE Glycor (70)	
EP Freeze Point (°C) -50	
11 1166201 0111 ( 0)	
BP Boil Point (°C) 109	

			The second little district the second

# CONDUCTIVITY (µS/cm) CON Conductivity 3562

### CORROSION LEVELS/ CHEMISTRY

26-Jan-23

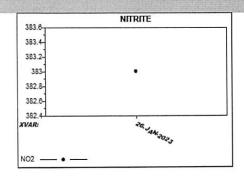
NITRI	TE (ppm)	SATISFIED THE PARTY
NO2	Nitrite	383

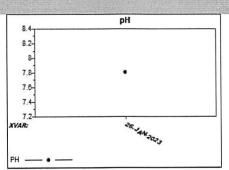
2	Н	Y	3	l	Q	٧	ä

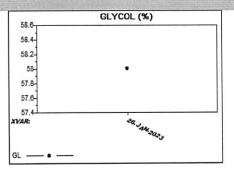
Foam	Foam	norr

		PHYSICAL CHARACTERISTICS	
		26-Jan-23	
PHYSI	CAL		
Color	Color	orange	
Арр	Appearance	clear	
Odor	Odor	norm	
Oil	Oil	none	
PAmt	Precip Amount	none	









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### TRANSMISSION POWER

### SHIFT

### N030-53032-0453

LABEL#: 200565754 SHOP JOB NUM : 2214860

SAMPLE SHIP TIME (days): 6

RECEIVED DATE: 01-Feb-23

## EQUIP NUM: 7XM05040



### No Action Required

SERIAL NUMBER: 7XM05040

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

SLIGHTLY ELEVATED COPPER AND ALUMINUM. PARTICLE COUNT (ISO CODE) FLUID CLEANLINESS LEVEL IS ACCEPTABLE. OTHER READINGS APPEAR TO BE NORMAL. RESAMPLE AT THE NEXT SERVICE INTERVAL.

INFRARED (UFM)

ANTIFREEZE

A Antifreeze

Soot

Oxidation Sulfur Products

Nitration

ST

OXI

SUL NIT

		SAMPLE INFORMATION
	1	O VIII LE III O VIII VIII
Sampled Date	26-Jan-23	
Sample Id	N030-53032-0453	
Lab Date	01-Feb-23	
Meter [Hr]	25198	
Meter On Fluid	25198	
Fluid Brand		
Fluid Weight		
Fluid Type		
Fluid Change	N	
Filter Change	N	

		CONDITION / CONTAMINATION 26-Jan-23	
VISCO	SITY (Centistokes)		
V100	Viscosity at 100 C	10.00	
VISCO	OSITY (Centistokes)		
V40	Viscosity at 40 C	68.60	
VISCO	OSITY INDEX		
VI	Viscosity Index	129	

0

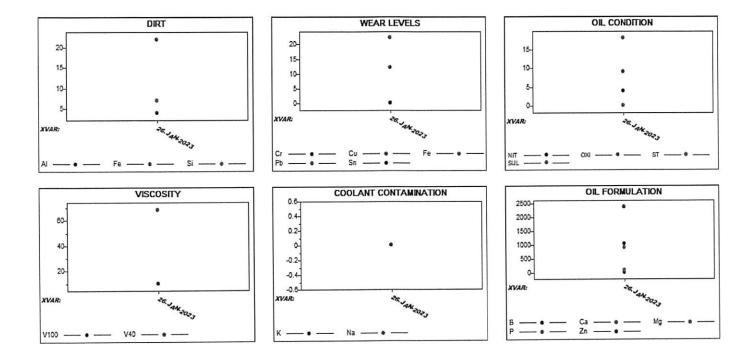
9

18

		WEAR LEVELS / ADDITIVES 26-Jan-23
EI EM	ENTAL ANALYSIS (ppm)	
Na	Sodium	0
K	Potassium	0
Si	Silicon	7
AI	Aluminum	4
Fe	Iron	22
Cr	Chromium	0
Pb	Lead	0
Cu	Copper	12
Sn	Tin	0
Ni	Nickel	0
Ag	Silver	0
Ti	Titanium	0
V	Vanadium	
Zn	Zinc	1046
Ca	Calcium	2380
Mg	Magnesium	103
Ва	Barium	0
В	Boron	21
Мо	Molybdenum	0
Р	Phosphorus	904

WATE	R		
W	Water	N	
		CLEANLINESS	
		26-Jan-23	
PART	ICLE COUNT		
ISO	ISO Code Rating	23/17/11	
4μ	4μ	42462	
6μ	6μ	690	
10µ	10μ	22	
14µ	14µ	10	
18µ	18µ	7	
21μ	21μ	5	
38µ	38µ	4	
50µ	50µ	3	





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### **ENGINE**

### N030-53032-0450

LABEL#: 200566103 SHOP JOB NUM: 2214860 SAMPLE SHIP TIME (days): 6

RECEIVED DATE: 01-Feb-23

### EQUIP NUM: 7XM05040

## CAT D8R



### Action Required

SERIAL NUMBER: 7XM05040

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

10.28% FUEL DILUTION MAY BE LOOSE LINES, LEAKING INJECTORS, FUEL PUMP, LOW ENG TEMP, PROLONGED IDLING ETC. ELEVATED COPPER MAY BE SOURCED TO OIL COOLER LEACHING. OTHER READINGS APPEAR TO BE NORMAL. SUGGEST INVESTIGATING RECOMMEND OIL CHANGE. RESAMPLE AT HALF THE NORMAL INTERVAL TO MONITOR. POSSIBLE SOURCES OF FUEL DILUTION.

Water

		SAMPLE INFORMATION
	$\triangle$	SAMPLE INFORMATION
Sampled Date	26-Jan-23	
Sample Id	N030-53032-0450	
Lab Date	01-Feb-23	
Meter [Hr]	25198	
Meter On Fluid	25198	
Fluid Brand		
Fluid Weight		
Fluid Type		
Fluid Change	N	
Filter Change	N	

		CONDITION / CONTAMINATION 26-Jan-23
26-Jan-23	VISCOSITY (Centistolose)	
N030-53032-0450	V100 Viscosity at 100 C	11.30
01-Feb-23		
25198		
25198	VICCOSITY (Cartistoles)	
		71.30
	V40 Viscosity at 40 O	
N		
N	VISCOSITY INDEX	
	VI Viscosity Index	151
	26-Jan-23 N030-53032-0450 01-Feb-23 25198 25198	26-Jan-23  N030-53032-0450  01-Feb-23  25198  25198  VISCOSITY (Centistokes)  VISCOSITY (Centistokes)  VISCOSITY (Centistokes)  V40 Viscosity at 40 C

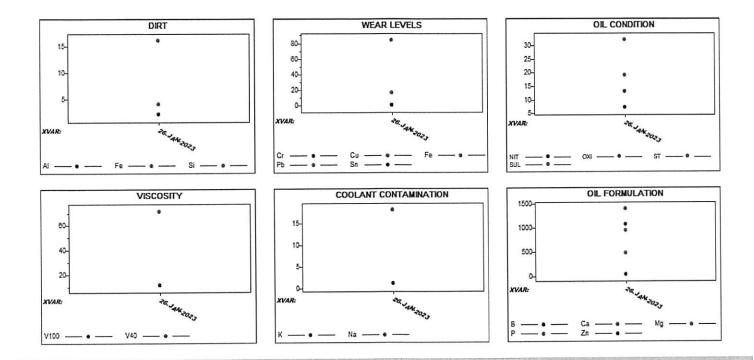
		WEAR LEVELS / ADDITIVES 26-Jan-23	
ELEM	ENTAL ANALYSIS (ppr	n)	
Na	Sodium	18	
K	Potassium	1	
Si	Silicon	4	
Al	Aluminum	2	
Fe	Iron	16	
Cr	Chromium	0	
Pb	Lead	0	
Cu	Copper	84	
Sn	Tin	0	
Ni	Nickel	0	
Ag	Silver	0	
Ti	Titanium	0	
V	Vanadium	0	
Zn	Zinc	1066	
Ca	Calcium	1395	
Mg	Magnesium	481	
Ва	Barium	0	
В	Boron	36	
Мо	Molybdenum	60	
Р	Phosphorus	943	

	SITY INDEX		NAME OF TAXABLE PARTY OF TAXABLE PARTY.
VI	Viscosity Index	151	
INFRA	RED (UFM)		
ST	Soot	32	
OXI	Oxidation	13	
SUL	Sulfur Products	19	
NIT	Nitration	7	
ANTIF	REEZE		
A	Antifreeze	N	
FUEL			
F	Fuel	Р	
FUEL	CONTENT (%)		
PFc	Percent Fuel	10.28	

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#### FINAL DRIVE REAR LEFT

### N030-53032-0451

LABEL#: 201110821 SHOP JOB NUM : 2214860 SAMPLE SHIP TIME (days): 6

RECEIVED DATE: 01-Feb-23

### EQUIP NUM: 7XM05040



### No Action Required

SERIAL NUMBER: 7XM05040

Interp By: Gregory Scribner Interpreted On: 07-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



Sampled Date	26-Jan-23
Sample Id	N030-53032-0451
Lab Date	01-Feb-23
Meter [Hr]	25198
Meter On Fluid	25198
Fluid Brand	
Fluid Weight	
Fluid Type	
Fluid Change	N
Filter Change	N

Boron

Molybdenum

Phosphorus

DITION / CONTAMINATION	
DITION / CONTAMINATION	

		26-Jan-23	
VISCO	SITY (Centistokes)		
V100	Viscosity at 100 C	11.00	

VISCO	SITY (Centistokes)			
V40	Viscosity at 40 C	96.10		

VISC	OSITY INDEX		
M	Viscosity Index	99	

	W	26-Jan-23	
NAME OF TAXABLE PARTY.		AND DESCRIPTION OF THE PARTY OF	
ELEM	ENTAL ANALYSIS (pp		
Na	Sodium	0	
K	Potassium	0	
Si	Silicon	7	
Al	Aluminum	2	
Fe	Iron	18	
Cr	Chromium	0	
Pb	Lead	0	
Cu	Copper	0	
Sn	Tin	0	
Ni	Nickel	0	
Ag	Silver	0	
Ti	Titanium	0	
V	Vanadium	0	
Zn	Zinc	1174	
Ca	Calcium	2776	
Mg	Magnesium	11	
Ва	Barium	0	

11

0

1019

WEAR LEVELS / ADDITIVES

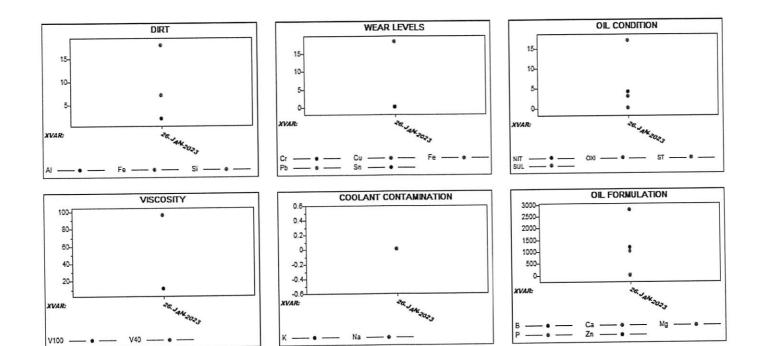
ST	Soot	0	
OXI	Oxidation	3	
SUL	Sulfur Products	17	
NIT	Nitration	4	

		 	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	CONTRACTOR STATE	\$1000 MINE	CONTRACTOR STORY	155
WATI	ER				Land I		L. II
N	Water	N					
	Tratoi						

		CLEANLINESS	
		26-Jan-23	
PART	ICLE COUNT		
ISO	ISO Code Rating	23/21/15	
4μ	4μ	58057	
6μ	6μ	13508	
10μ	10µ	1170	
14μ	14µ	283	
18µ	18µ	101	
21μ	21μ	58	
38µ	38µ	4	
50μ	50µ	2	

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### FINAL DRIVE REAR

### RIGHT

### N030-53032-0452

LABEL#: 200565366 SHOP JOB NUM: 2214860 SAMPLE SHIP TIME (days): 6

RECEIVED DATE: 01-Feb-23

### EQUIP NUM: 7XM05040

### CAT D8R



### No Action Required

SERIAL NUMBER: 7XM05040

Interp By: Gregory Scribner Interpreted On: 07-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



	4	
Sampled Date	26-Jan-23	
Sample Id	N030-53032-0452	
Lab Date	01-Feb-23	
Meter [Hr]	25198	
Meter On Fluid	25198	
Fluid Brand		
Fluid Weight		
Fluid Type		
Fluid Change	N	
Filter Change	N	

### CONDITION / CONTAMINATION

6-	-	n	. 7	2

VISCO	SITY (Centistoices)	
/100	Viscosity at 100 C	11.00

11.00

#### VISCOSITY (Centistokes)

V40 Viscosity at 40 C 96.20

### VISCOSITY INDEX

Viscosity Index

99

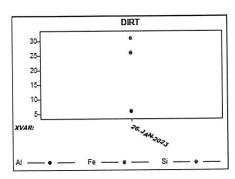
		WEAR LEVELS / ADDITIVES
		26-Jan-23
ELEM	ENTAL ANALYSIS (ppm)	
Na	Sodium	1
K	Potassium	1
Si	Silicon	31
Al	Aluminum	6
Fe	Iron	26
Cr	Chromium	0
Pb	Lead	0
Cu	Copper	0
Sn	Tin	0
Ni	Nickel	0
Ag	Silver	0
Ti	Titanium	0
V	Vanadium	0
Zn	Zinc	1174
Ca	Calcium	2810
Mg	Magnesium	10
Ва	Barium	0
В	Boron	10
Мо	Molybdenum	0
Р	Phosphorus	1009

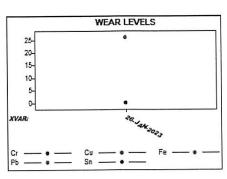
	VRED (UFM)		
ST	Soot	0	
OXI	Oxidation	3	
SUL	Sulfur Products	17	
NIT	Nitration	4	

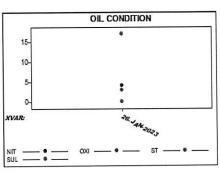
WATE	R				
W	Water	N			

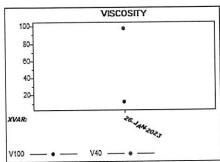
		CLEANLINESS	
		26-Jan-23	
PART	ICLE COUNT		
ISO	ISO Code Rating	23/22/14	
4μ	4μ	68616	
6μ	6μ	20126	
10μ	10μ	812	
14μ	14μ	143	
18µ	18μ	50	
21μ	21μ	28	
38µ	38µ	3	
50µ	50µ	1	

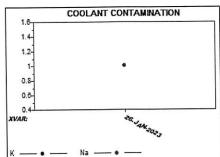


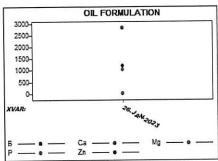












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