

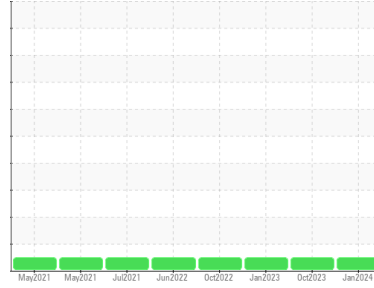
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
Rock Truck
Machine Id
HT2607
Component
Center Axle
Fluid
TDH FLUID SAE 75W80 (67 LTR)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PC0050985	PC0066721	PC0067022
Sample Date	Client Info		27 Jan 2024	07 Oct 2023	08 Jan 2023
Machine Age	hrs	Client Info	42614	40917	37663
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >500	15	11	2
Chromium	ppm	ASTM D5185(m) >10	0	0	0
Nickel	ppm	ASTM D5185(m) >10	<1	<1	0
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m)	0	7	0
Aluminum	ppm	ASTM D5185(m) >25	2	<1	<1
Lead	ppm	ASTM D5185(m) >25	<1	<1	4
Copper	ppm	ASTM D5185(m) >50	7	7	13
Tin	ppm	ASTM D5185(m) >10	0	0	<1
Antimony	ppm	ASTM D5185(m) >5	0	0	<1
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	0	0

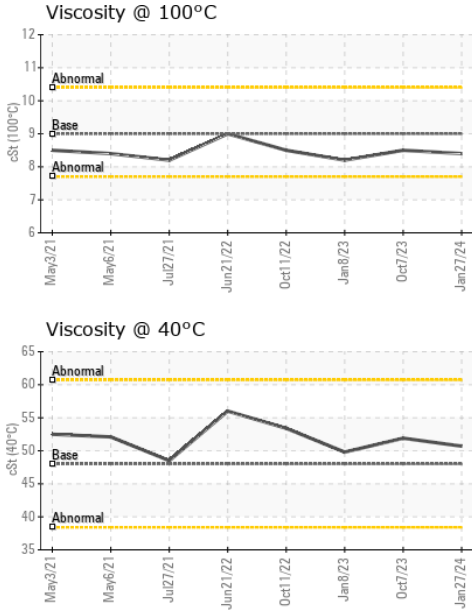
ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 10	89	1	33
Barium	ppm	ASTM D5185(m) 10	0	<1	0
Molybdenum	ppm	ASTM D5185(m) 10	0	<1	<1
Manganese	ppm	ASTM D5185(m)	0	0	<1
Magnesium	ppm	ASTM D5185(m) 100	20	16	15
Calcium	ppm	ASTM D5185(m) 3500	3406	2288	2704
Phosphorus	ppm	ASTM D5185(m) 1150	1090	859	989
Zinc	ppm	ASTM D5185(m) 1150	1352	1028	1125
Sulfur	ppm	ASTM D5185(m) 3000	3176	2498	2679
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	10	5	3
Sodium	ppm	ASTM D5185(m)	<1	1	1
Potassium	ppm	ASTM D5185(m) >20	<1	3	<1

OIL ANALYSIS REPORT

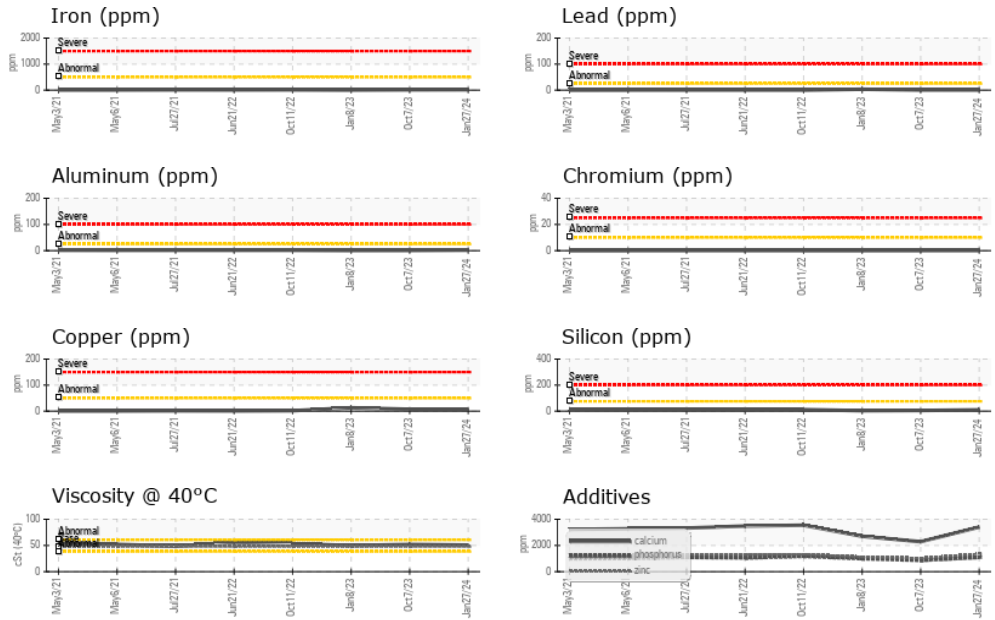


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	48	50.7	51.9
Visc @ 100°C	cSt	ASTM D7279(m)	9.0	8.4	8.2
Viscosity Index (VI)	Scale	ASTM D2270*	171	140	139

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0050985 **Received** : 09 Feb 2024
Lab Number : 02614448 **Tested** : 09 Feb 2024
Unique Number : 5723543 **Diagnosed** : 09 Feb 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KV100, VI)

Lakeshore Gold Timmins West
 Timmins, ON
 CA
 Contact: Dale Arseneau
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 F:

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.