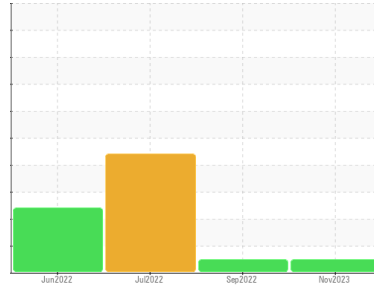


OIL ANALYSIS REPORT



Area
Haul Truck
Machine Id
HT4502
Component
Hydraulic System
Fluid
NOT GIVEN (--- LTR)

Sample Rating Trend



NORMAL

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 80 Tractor TDH Fluid. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MOB 2 test kits, this testkit includes Particle Count to determine the ISO cleanliness of the fluid.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the component(unconfirmed).

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		PC0074881	PC0048749	PC0048871
Sample Date	Client Info		23 Nov 2023	26 Sep 2022	27 Jul 2022
Machine Age	hrs	Client Info	6729	1944	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	NORMAL	ABNORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >20	2	4	6
Chromium	ppm	ASTM D5185(m) >10	0	0	0
Nickel	ppm	ASTM D5185(m) >10	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	0	<1	<1
Silver	ppm	ASTM D5185(m)	<1	0	0
Aluminum	ppm	ASTM D5185(m) >10	1	2	3
Lead	ppm	ASTM D5185(m) >10	<1	<1	<1
Copper	ppm	ASTM D5185(m) >75	2	2	3
Tin	ppm	ASTM D5185(m) >10	0	0	0
Antimony	ppm	ASTM D5185(m)	0	0	0
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	0	0

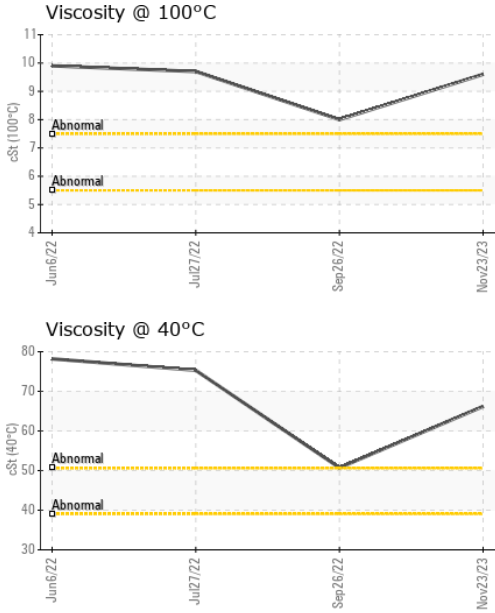
ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	42	68	29
Barium	ppm	ASTM D5185(m)	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	13	6	1
Manganese	ppm	ASTM D5185(m)	0	<1	<1
Magnesium	ppm	ASTM D5185(m)	212	93	19
Calcium	ppm	ASTM D5185(m)	2800	3057	3064
Phosphorus	ppm	ASTM D5185(m)	1001	1111	1024
Zinc	ppm	ASTM D5185(m)	1225	1260	1232
Sulfur	ppm	ASTM D5185(m)	2768	3076	4394
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS


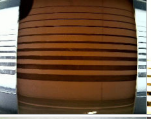


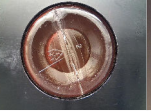

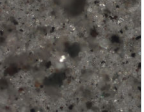
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >20	7	6	▲ 44
Sodium	ppm	ASTM D5185(m)	1	5	5
Potassium	ppm	ASTM D5185(m) >20	<1	<1	4

OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	▲ VLITE
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	▲ LIGHT
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	66.2	50.7	75.3
Visc @ 100°C	cSt	ASTM D7279(m)	9.6	8	9.7
Viscosity Index (VI)	Scale	ASTM D2270*	125	127	107

SAMPLE IMAGES	method	limit/base	current	history1	history2	
Color						
Bottom						
PrtFilter				no image	no image	



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0074881 **Received** : 06 Dec 2023
Lab Number : **02601244** **Diagnosed** : 07 Dec 2023
Unique Number : 5694329 **Diagnostician** : Bill Quesnel
Test Package : MOB 1 (Additional Tests: KV100, VI)

Lakeshore Gold Timmins West
 Timmins, ON
 CA
 Contact: Adam Koscielak
 adam.koscielak@HFSinclair.com
 T:
 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.