

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
#1 TOTE
Component
Hydraulic System
Fluid
SAE 10W40 (--- LTR)

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor.
Diagnostician's Note: A standard oil analysis test is not sufficient to determine if an oil is suitable for use after years in storage. Check the bottom of the tote for any precipitate (white material) that may be additive drop-out. Specifications for oils have changed in that time period, would not recommend using this product in newer engines, but if there is no precipitate in the tote, then this product should be suitable for engines older than 5 years.

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	PC376609	---	---
Sample Date	Client Info	05 Dec 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		NORMAL	---	---

CONTAMINATION

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

WEAR METALS

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

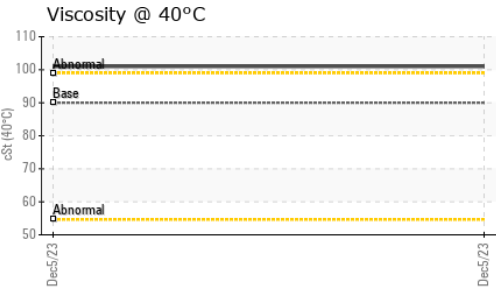
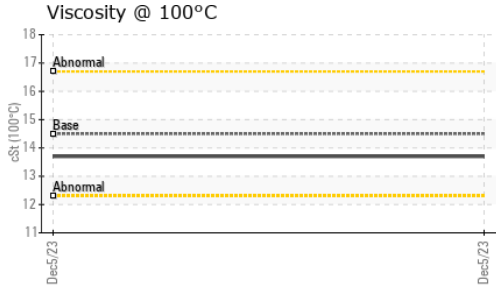
ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	48	---	---
Barium	ppm ASTM D5185(m)	<1	---	---
Molybdenum	ppm ASTM D5185(m)	31	---	---
Manganese	ppm ASTM D5185(m)	0	---	---
Magnesium	ppm ASTM D5185(m)	373	---	---
Calcium	ppm ASTM D5185(m)	1640	---	---
Phosphorus	ppm ASTM D5185(m)	686	---	---
Zinc	ppm ASTM D5185(m)	813	---	---
Sulfur	ppm ASTM D5185(m)	2129	---	---
Lithium	ppm ASTM D5185(m)	<1	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >20	5	---	---
Sodium	ppm ASTM D5185(m) >401	10	---	---
Potassium	ppm ASTM D5185(m) >20	0	---	---



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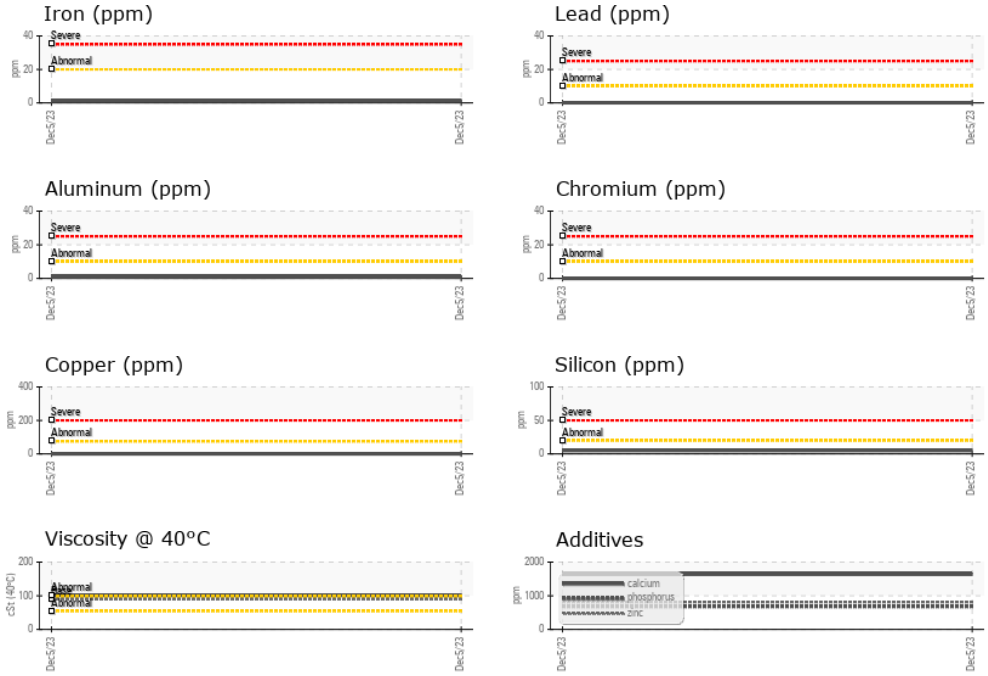
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	90.0	101	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.5	13.7	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	167	136	---	---

SAMPLE IMAGES

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC376609 **Received** : 06 Dec 2023
Lab Number : 02601229 **Diagnosed** : 07 Dec 2023
Unique Number : 5694314 **Diagnostician** : Bill Quesnel
Test Package : MOB 1 (Additional Tests: KV100, VI)

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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.