



OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
213773
 Component
Left Planetary
 Fluid
SAE 80W90 (--- GAL)

DIAGNOSIS

▲ Recommendation

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

▲ Contamination

There is a moderate concentration of water present in the oil.

Fluid Condition

The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PP0001067	---	---
Sample Date	Client Info		13 Mar 2024	---	---
Machine Age	hrs	Client Info	2682	---	---
Oil Age	hrs	Client Info	2682	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			ABNORMAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		175	---	---
Iron	ppm	ASTM D5185(m) >500	828	---	---
Chromium	ppm	ASTM D5185(m) >10	10	---	---
Nickel	ppm	ASTM D5185(m) >10	<1	---	---
Titanium	ppm	ASTM D5185(m)	6	---	---
Silver	ppm	ASTM D5185(m)	0	---	---
Aluminum	ppm	ASTM D5185(m) >25	45	---	---
Lead	ppm	ASTM D5185(m) >25	2	---	---
Copper	ppm	ASTM D5185(m) >75	67	---	---
Tin	ppm	ASTM D5185(m) >10	4	---	---
Antimony	ppm	ASTM D5185(m) >5	0	---	---
Vanadium	ppm	ASTM D5185(m)	0	---	---
Beryllium	ppm	ASTM D5185(m)	0	---	---
Cadmium	ppm	ASTM D5185(m)	0	---	---

ADDITIVES

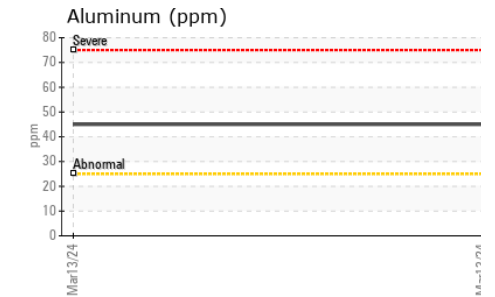
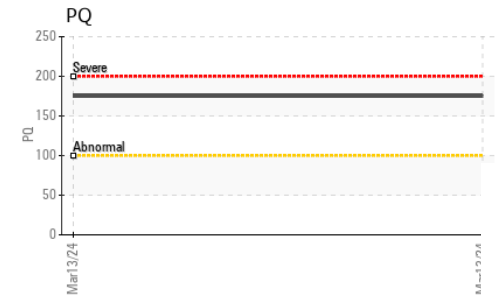
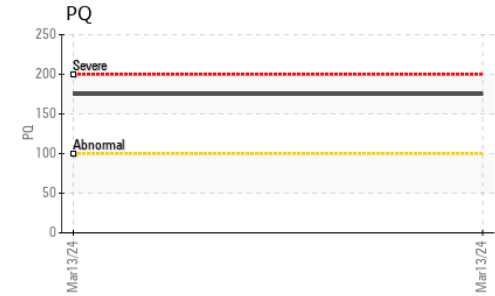
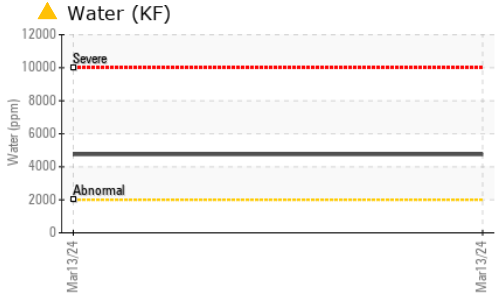
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 200	7	---	---
Barium	ppm	ASTM D5185(m) 0	1	---	---
Molybdenum	ppm	ASTM D5185(m) 0	0	---	---
Manganese	ppm	ASTM D5185(m)	10	---	---
Magnesium	ppm	ASTM D5185(m) 0	21	---	---
Calcium	ppm	ASTM D5185(m) 20	114	---	---
Phosphorus	ppm	ASTM D5185(m) 1000	228	---	---
Zinc	ppm	ASTM D5185(m) 20	13	---	---
Sulfur	ppm	ASTM D5185(m) 22000	7437	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	145	---	---
Sodium	ppm	ASTM D5185(m) >50	28	---	---
Potassium	ppm	ASTM D5185(m) >20	16	---	---
Water	%	ASTM D6304* >0.2	▲ 0.474	---	---
ppm Water	ppm	ASTM D6304* >2000	▲ 4749	---	---



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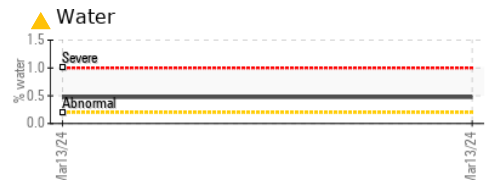
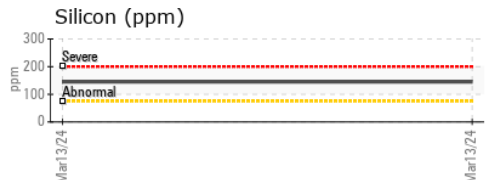
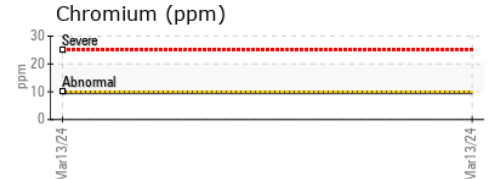
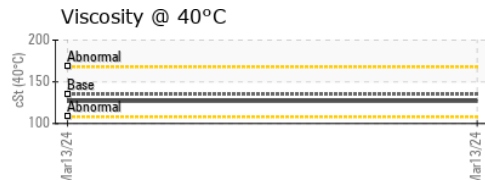
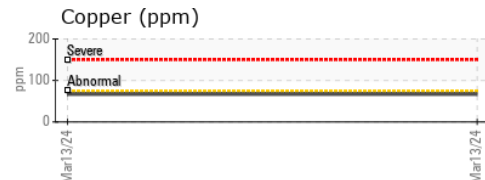
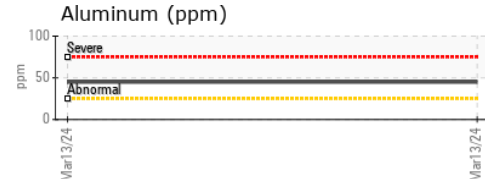
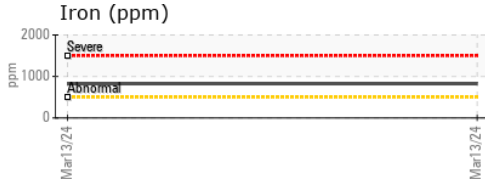
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	VLITE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	▲ .2%	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	135	127	---	---

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PP0001067 **Received** : 16 Apr 2024
Lab Number : 02629318 **Tested** : 18 Apr 2024
Unique Number : 5762450 **Diagnosed** : 18 Apr 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: KF, PQ)

Morholme Industrial
 13399 Torbram
 Caledon, ON
 CA L7C 2C6
 Contact: Kyle Morrison
 kyle.morrison@morholme.ca
 T: (647)564-9715
 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.