

OIL ANALYSIS REPORT

Sample Rating Trend

GLYCOL



Area
[6100193068]
Machine Id
47290050014152
Component
Diesel Engine
Fluid
NOT GIVEN (--- GAL)



DIAGNOSIS

Recommendation

Check for low coolant level. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 40 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

Water treatment chemicals present, indicating slow coolant leak. Test for glycol is negative. There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service (see recommendation).

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WA0020153	---	---
Sample Date	Client Info	22 Aug 2023	---	---
Machine Age	kms Client Info	735226	---	---
Oil Age	kms Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ATTENTION	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >3.0	<1.0	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >200	110	---	---
Chromium	ppm ASTM D5185(m) >6	5	---	---
Nickel	ppm ASTM D5185(m) >3	<1	---	---
Titanium	ppm ASTM D5185(m) >2	<1	---	---
Silver	ppm ASTM D5185(m) >2	<1	---	---
Aluminum	ppm ASTM D5185(m) >50	22	---	---
Lead	ppm ASTM D5185(m) >10	<1	---	---
Copper	ppm ASTM D5185(m) >50	30	---	---
Tin	ppm ASTM D5185(m) >6	<1	---	---
Antimony	ppm ASTM D5185(m)	0	---	---
Vanadium	ppm ASTM D5185(m)	<1	---	---
Beryllium	ppm ASTM D5185(m)	0	---	---
Cadmium	ppm ASTM D5185(m)	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	30	---	---
Barium	ppm ASTM D5185(m)	0	---	---
Molybdenum	ppm ASTM D5185(m)	116	---	---
Manganese	ppm ASTM D5185(m)	1	---	---
Magnesium	ppm ASTM D5185(m)	204	---	---
Calcium	ppm ASTM D5185(m)	1995	---	---
Phosphorus	ppm ASTM D5185(m)	1058	---	---
Zinc	ppm ASTM D5185(m)	1215	---	---
Sulfur	ppm ASTM D5185(m)	2776	---	---
Lithium	ppm ASTM D5185(m)	<1	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >50	14	---	---
Sodium	ppm ASTM D5185(m)	▲ 467	---	---
Potassium	ppm ASTM D5185(m) >20	20	---	---
Glycol	% ASTM D7922*	0.0	---	---

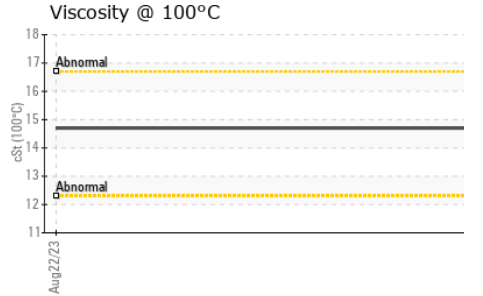
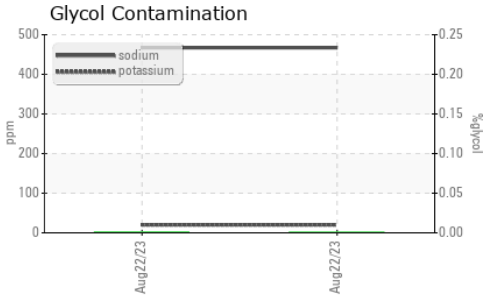
INFRA-RED

method	limit/base	current	history1	history2
Soot %	% ASTM D7844* >3	2	---	---
Nitration	Abs/cm ASTM D7624* >20	14.3	---	---
Sulfation	Abs./1mm ASTM D7415* >30	31.8	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs./1mm ASTM D7414* >25	25.1	---	---

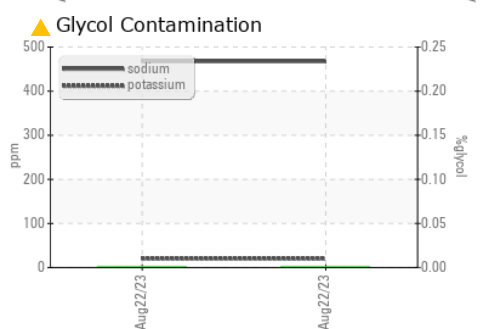
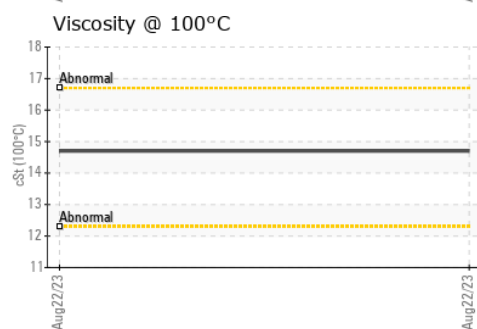
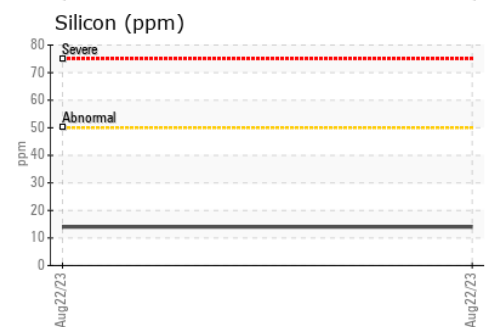
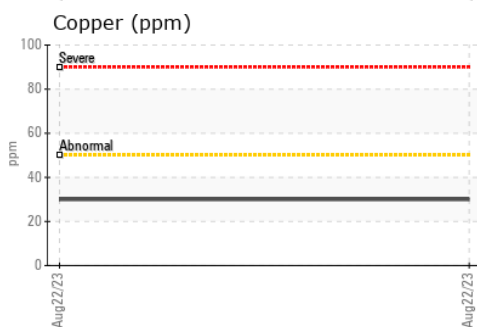
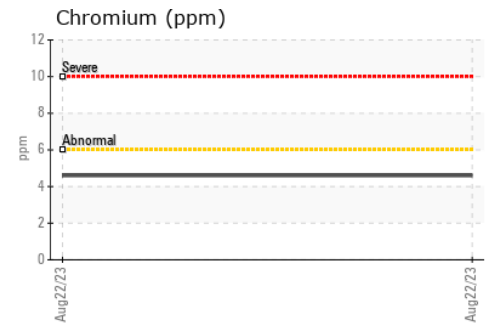
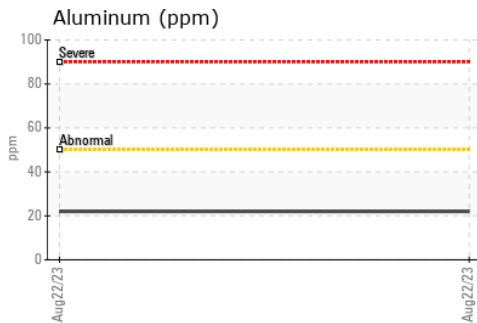
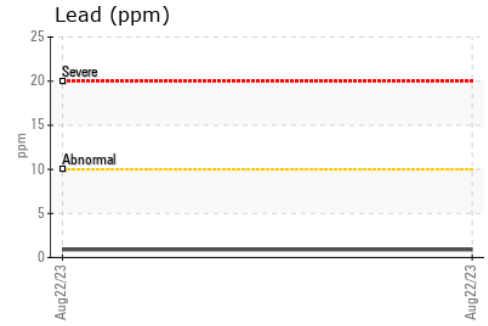
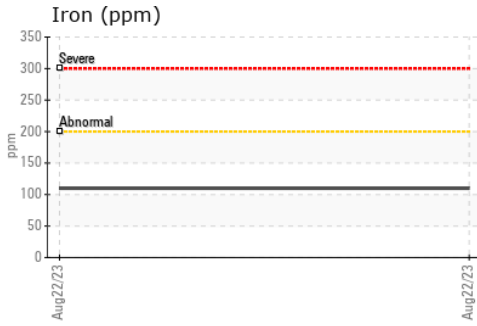
OIL ANALYSIS REPORT



PARAMETER	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.7	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0020153 **Received** : 23 Aug 2023
Lab Number : 02577646 **Diagnosed** : 25 Aug 2023
Unique Number : 5630706 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: Glycol)

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.

Wajax Power Systems
 10 Diesel Drive
 Toronto, ON
 CA M8W 2T8
 Contact: Komal Ramotar
 kramotar@wajax.com
 T: (416)259-3281
 F: (416)251-6191