

OIL ANALYSIS REPORT

Sample Rating Trend

FUEL



Machine Id
P124

Component
Diesel Engine

Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)



DIAGNOSIS

▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 15W40. Please confirm.

Wear

All component wear rates are normal.

▲ Contamination

Light fuel dilution occurring. No other contaminants were detected 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		PC0075207	---	---
Sample Date	Client Info		31 Jan 2024	---	---
Machine Age	mths	Client Info	0	---	---
Oil Age	mths	Client Info	6	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			MARGINAL	---	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >75	45	---	---
Chromium	ppm	ASTM D5185(m) >5	1	---	---
Nickel	ppm	ASTM D5185(m) >4	<1	---	---
Titanium	ppm	ASTM D5185(m) >2	0	---	---
Silver	ppm	ASTM D5185(m) >2	<1	---	---
Aluminum	ppm	ASTM D5185(m) >15	4	---	---
Lead	ppm	ASTM D5185(m) >25	2	---	---
Copper	ppm	ASTM D5185(m) >100	6	---	---
Tin	ppm	ASTM D5185(m) >4	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) 250	17	---	---
Barium	ppm	ASTM D5185(m) 10	2	---	---
Molybdenum	ppm	ASTM D5185(m) 100	82	---	---
Manganese	ppm	ASTM D5185(m)	<1	---	---
Magnesium	ppm	ASTM D5185(m) 450	214	---	---
Calcium	ppm	ASTM D5185(m) 3000	1991	---	---
Phosphorus	ppm	ASTM D5185(m) 1150	1003	---	---
Zinc	ppm	ASTM D5185(m) 1350	1165	---	---
Sulfur	ppm	ASTM D5185(m) 4250	2977	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

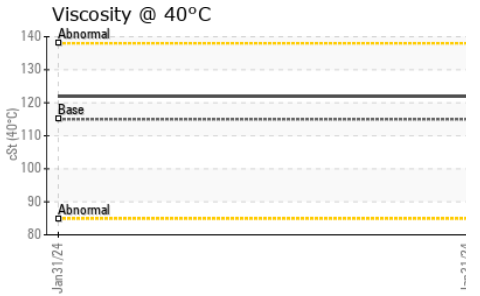
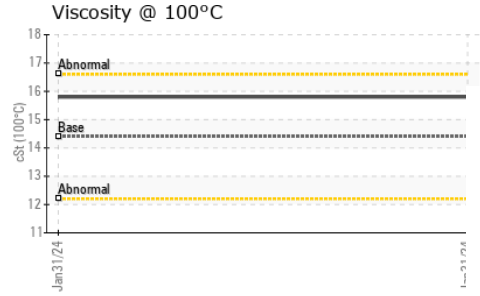
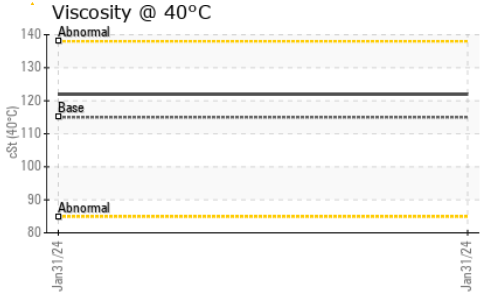
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	8	---	---
Sodium	ppm	ASTM D5185(m) >158	5	---	---
Potassium	ppm	ASTM D5185(m) >20	1	---	---
Fuel	%	ASTM D7593* >3.0	▲ 1.4	---	---

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >6	1.9	---	---
Nitration	Abs/cm	ASTM D7624* >20	14.4	---	---
Sulfation	Abs./1mm	ASTM D7415* >30	32.4	---	---

OIL ANALYSIS REPORT

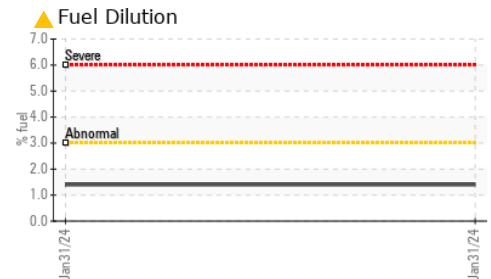
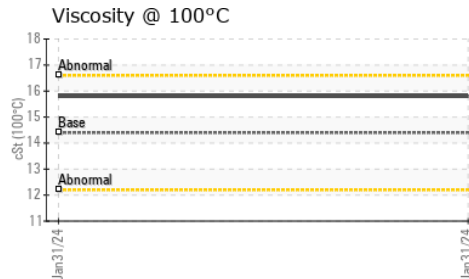
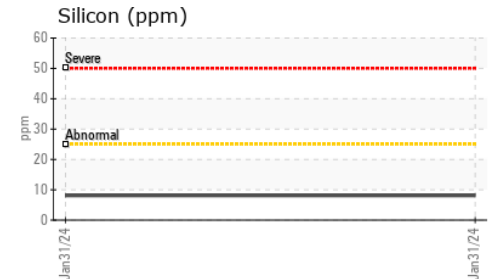
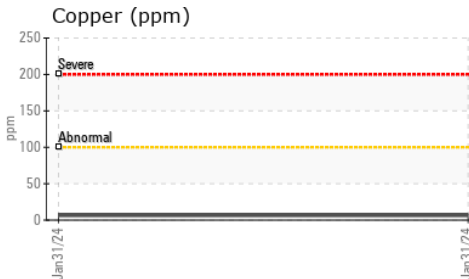
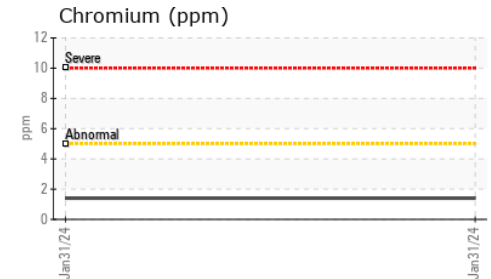
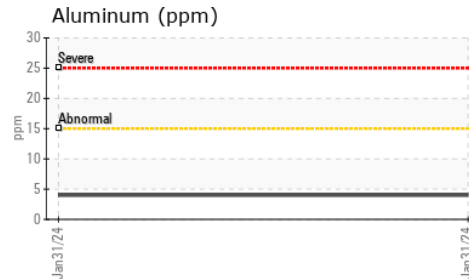
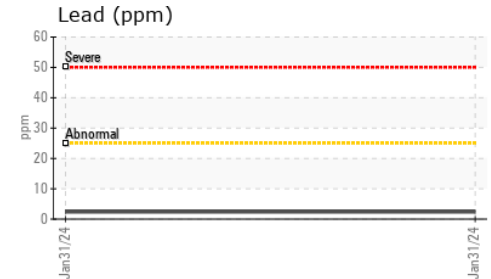
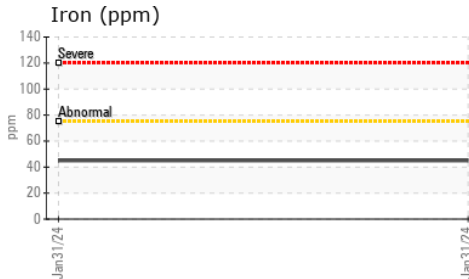


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	29.0	---	---

VISUAL		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 @ 40°C	cSt	ASTM D7279(m)	115	122	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	15.8	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	126	136	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0075207 **Received** : 01 Mar 2024
Lab Number : **02619171** **Tested** : 06 Mar 2024
Unique Number : 5736281 **Diagnosed** : 06 Mar 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: FUELDILUTION, KV40, PercentFuel, 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.