

OIL ANALYSIS REPORT

Sample Rating Trend



FUEL



Machine Id

53

Component

Diesel Engine

Fluid

MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

DIAGNOSIS

▲ Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

▲ Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0099445	---	---
Sample Date	Client Info	15 Feb 2024	---	---
Machine Age	mls	Client Info	175954	---
Oil Age	mls	Client Info	0	---
Oil Changed	Client Info	Changed	---	---
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 D5185m	>100	11	---
Chromium	ppm	ASTM D5185m	>20	<1	---
Nickel	ppm	ASTM D5185m	>4	0	---
Titanium	ppm	ASTM D5185m		0	---
Silver	ppm	ASTM D5185m	>3	0	---
Aluminum	ppm	ASTM D5185m	>20	2	---
Lead	ppm	ASTM D5185m	>40	2	---
Copper	ppm	ASTM D5185m	>330	<1	---
Tin	ppm	ASTM D5185m	>15	0	---
Vanadium	ppm	ASTM D5185m		<1	---
Cadmium	ppm	ASTM D5185m		0	---

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	73	---
Barium	ppm	ASTM D5185m	0	0	---
Molybdenum	ppm	ASTM D5185m	0	23	---
Manganese	ppm	ASTM D5185m		<1	---
Magnesium	ppm	ASTM D5185m	0	902	---
Calcium	ppm	ASTM D5185m		1246	---
Phosphorus	ppm	ASTM D5185m		919	---
Zinc	ppm	ASTM D5185m		1059	---
Sulfur	ppm	ASTM D5185m		3147	---

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	5	---
Sodium	ppm	ASTM D5185m		6	---
Potassium	ppm	ASTM D5185m	>20	3	---
Fuel	%	ASTM D3524	>5	▲ 2.8	---

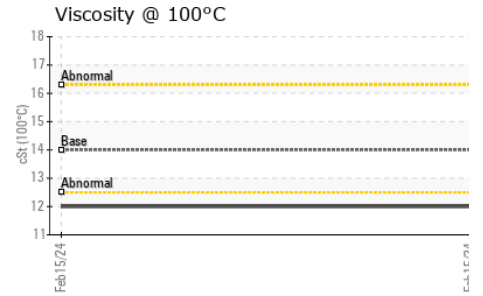
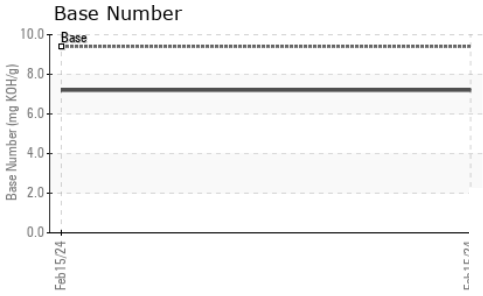
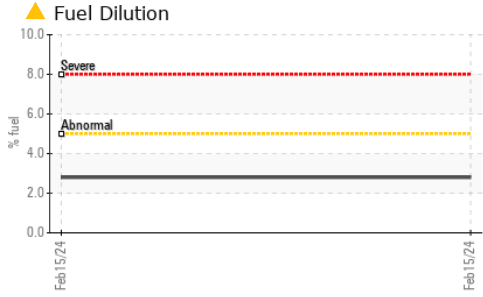
INFRA-RED

method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	9.2	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.5	---

FLUID DEGRADATION

method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.9	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	7.2	---

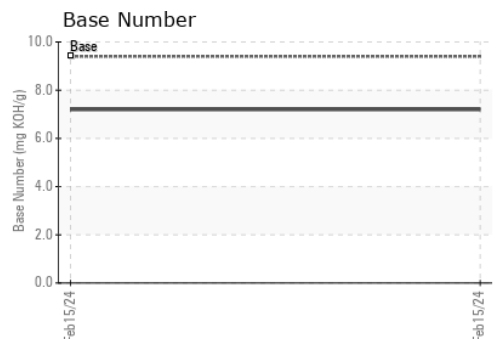
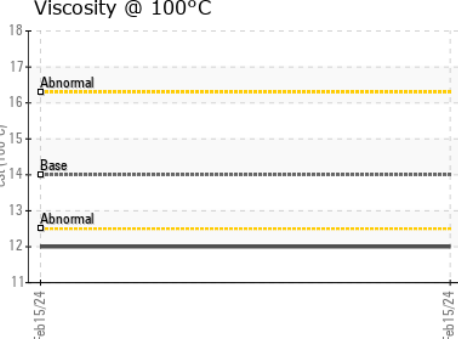
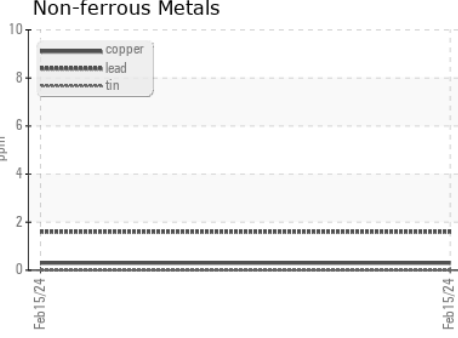
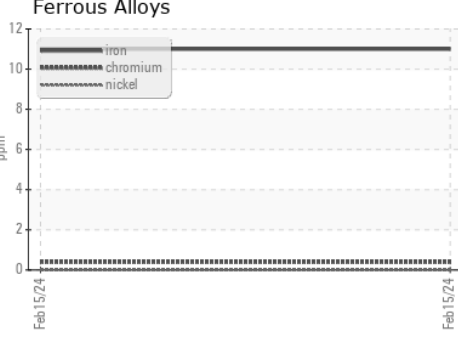
OIL ANALYSIS REPORT



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	>0.2	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445 14	12.0	---	---

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0099445 **Received** : 26 Feb 2024
Lab Number : 06100756 **Tested** : 29 Feb 2024
Unique Number : 10898986 **Diagnosed** : 29 Feb 2024 - Wes Davis
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

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To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)