



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
846-4528
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0016912	RPL0002533	---
Sample Date		Client Info		29 Dec 2023	14 Jun 2022	---
Machine Age	mls	Client Info		8513	208148	---
Oil Age	mls	Client Info		8513	113817	---
Filter Age	mls	Client Info		8513	113817	---
Oil Changed		Client Info		Not Changd	Changed	---
Filter Changed		Client Info		Not Changd	Changed	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	38	▲ 128	---
Chromium	ppm	ASTM D5185m	>20	<1	5	---
Nickel	ppm	ASTM D5185m	>4	0	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>3	0	<1	---
Aluminum	ppm	ASTM D5185m	>20	6	▲ 26	---
Lead	ppm	ASTM D5185m	>40	1	19	---
Copper	ppm	ASTM D5185m	>330	<1	9	---
Tin	ppm	ASTM D5185m	>15	0	3	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

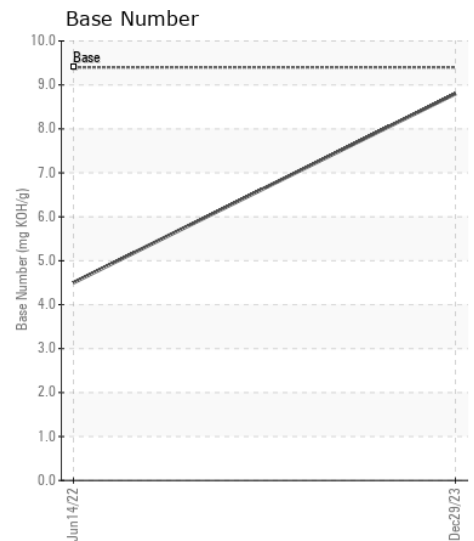
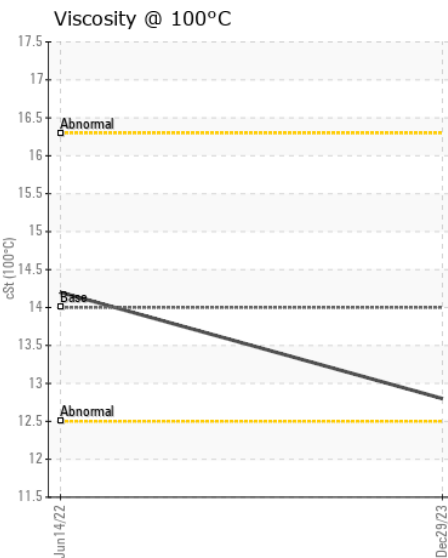
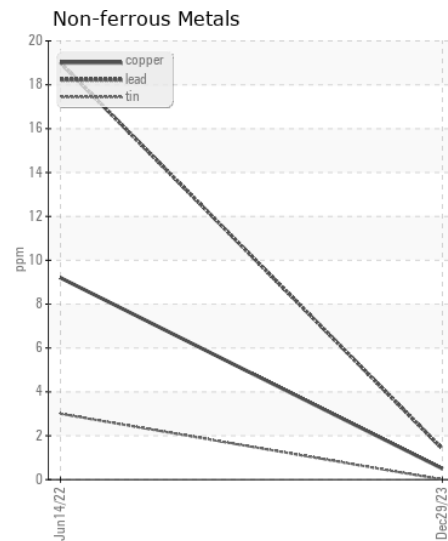
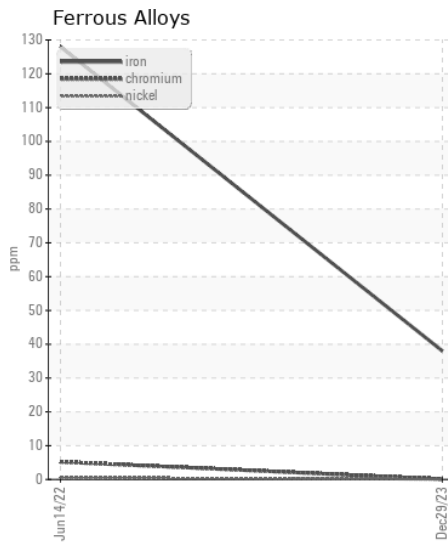
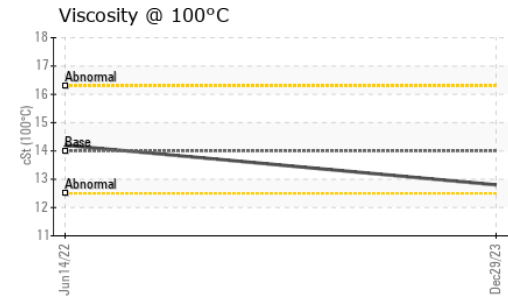
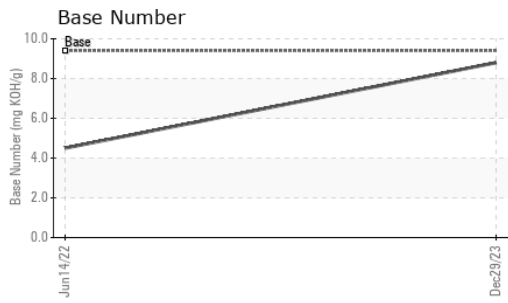
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	3	12	---
Potassium	ppm	ASTM D5185m	>20	7	51	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.2	1.3	---
Nitration	Abs/cm	*ASTM D7624	>20	7.4	12.7	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	31.3	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

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.

Sodium	ppm	ASTM D5185m		1	5	---
Boron	ppm	ASTM D5185m	0	2	34	---
Barium	ppm	ASTM D5185m	0	0	0	---
Molybdenum	ppm	ASTM D5185m	0	57	19	---
Manganese	ppm	ASTM D5185m		0	2	---
Magnesium	ppm	ASTM D5185m	0	959	700	---
Calcium	ppm	ASTM D5185m		1063	1616	---
Phosphorus	ppm	ASTM D5185m		953	823	---
Zinc	ppm	ASTM D5185m		1287	1024	---
Sulfur	ppm	ASTM D5185m		3092	2943	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.5	30.4	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	8.8	4.5	---
Visc @ 100°C	cSt	ASTM D445	14	12.8	14.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0016912 **Received** : 11 Jan 2024
Lab Number : 06057817 **Diagnosed** : 12 Jan 2024
Unique Number : 10829199 **Diagnostician** : Don Baldrige
Test Package : FLEET

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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)