



PacLease

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION

Machine Id
8465215
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0019792	RPL0017262	---
Sample Date		Client Info		16 May 2024	15 Jan 2024	---
Machine Age	mls	Client Info		25171	16852	---
Oil Age	mls	Client Info		0	0	---
Filter Age	mls	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	40	25	---
Chromium	ppm	ASTM D5185m	>20	1	<1	---
Nickel	ppm	ASTM D5185m	>4	1	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>3	2	<1	---
Aluminum	ppm	ASTM D5185m	>20	10	6	---
Lead	ppm	ASTM D5185m	>40	4	3	---
Copper	ppm	ASTM D5185m	>330	36	31	---
Tin	ppm	ASTM D5185m	>15	4	2	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

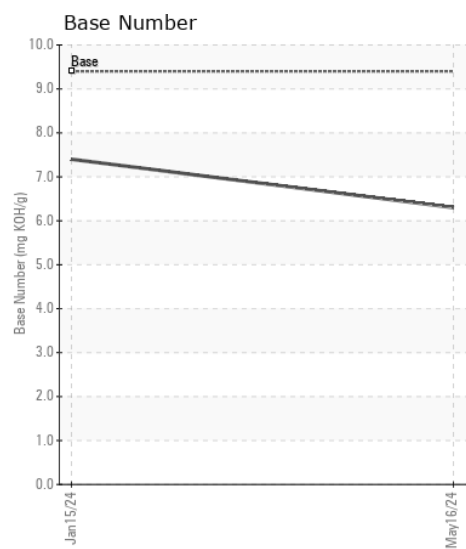
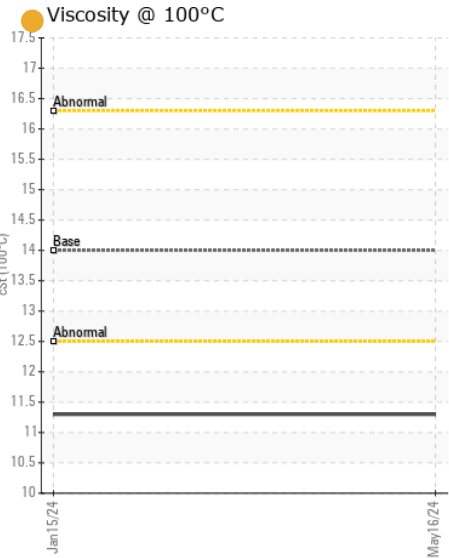
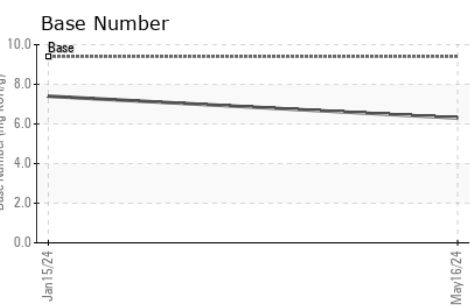
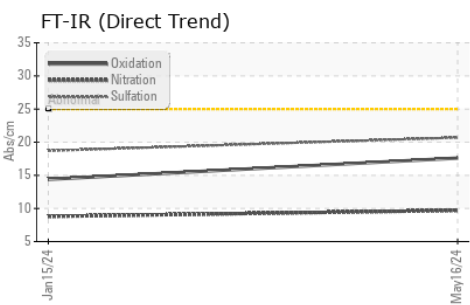
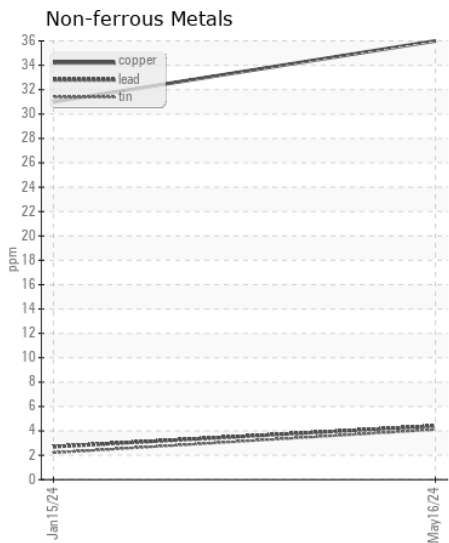
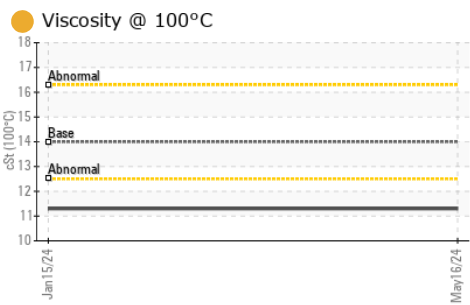
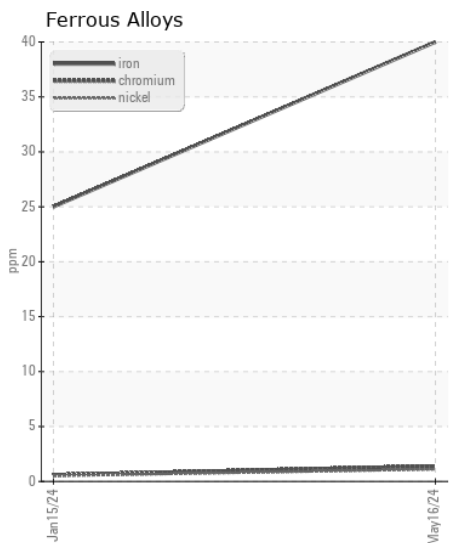
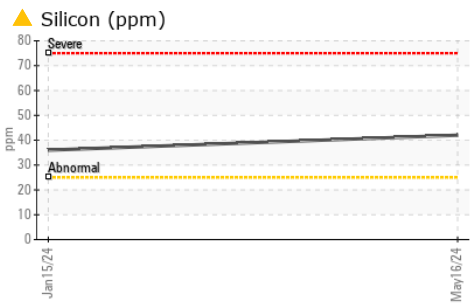
Elemental level of silicon (Si) above normal indicating ingress of seal material.

Silicon	ppm	ASTM D5185m	>25	▲ 42	▲ 36	---
Potassium	ppm	ASTM D5185m	>20	37	18	---
Fuel		WC Method	>5	<1.0	0.7	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.4	0.2	---
Nitration	Abs/cm	*ASTM D7624	>20	9.7	8.8	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.7	18.7	---
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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		4	2	---
Boron	ppm	ASTM D5185m	0	45	62	---
Barium	ppm	ASTM D5185m	0	2	2	---
Molybdenum	ppm	ASTM D5185m	0	14	10	---
Manganese	ppm	ASTM D5185m		6	5	---
Magnesium	ppm	ASTM D5185m	0	736	802	---
Calcium	ppm	ASTM D5185m		1383	1431	---
Phosphorus	ppm	ASTM D5185m		634	748	---
Zinc	ppm	ASTM D5185m		858	827	---
Sulfur	ppm	ASTM D5185m		2726	2933	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.6	14.4	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	6.3	7.4	---
Visc @ 100°C	cSt	ASTM D445	14	● 11.3	● 11.3	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0019792
Lab Number : 06190271
Unique Number : 11047023
Test Package : FLEET
Received : 24 May 2024
Tested : 25 May 2024
Diagnosed : 29 May 2024 - Don Baldrige

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Certificate L2367
 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)