



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
149-973
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0017331	RPL0015195	RPL0007498
Sample Date		Client Info		25 Apr 2024	08 Jan 2024	30 Nov 2022
Machine Age	mls	Client Info		194911	177839	114597
Oil Age	mls	Client Info		15000	25000	15000
Filter Age	mls	Client Info		15000	25000	15000
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	77	16	24
Chromium	ppm	ASTM D5185m	>20	3	1	1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	6	4	14
Lead	ppm	ASTM D5185m	>40	11	0	0
Copper	ppm	ASTM D5185m	>330	1	<1	1
Tin	ppm	ASTM D5185m	>15	1	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

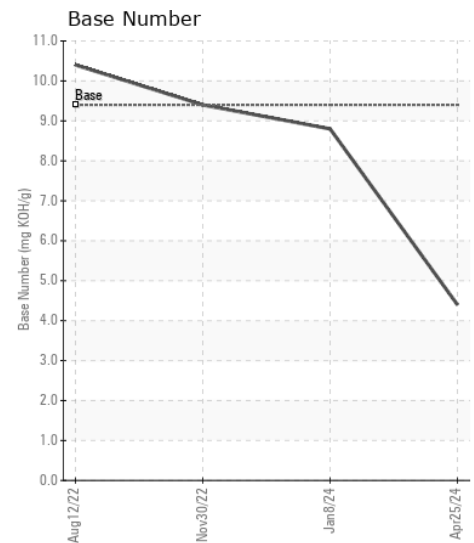
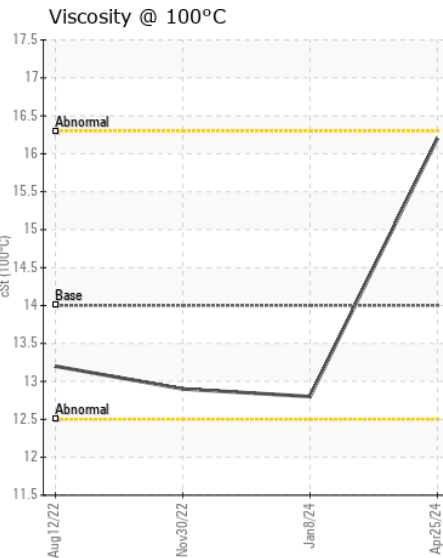
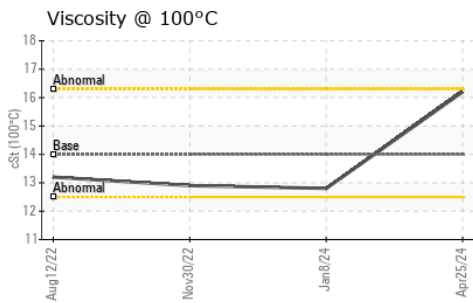
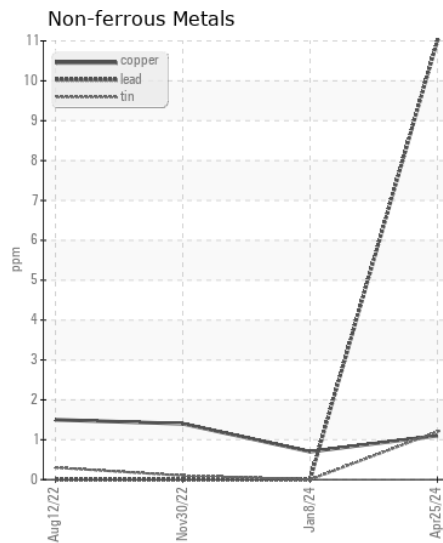
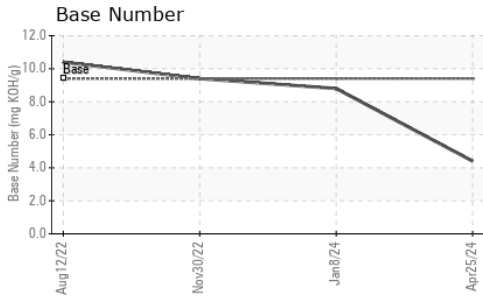
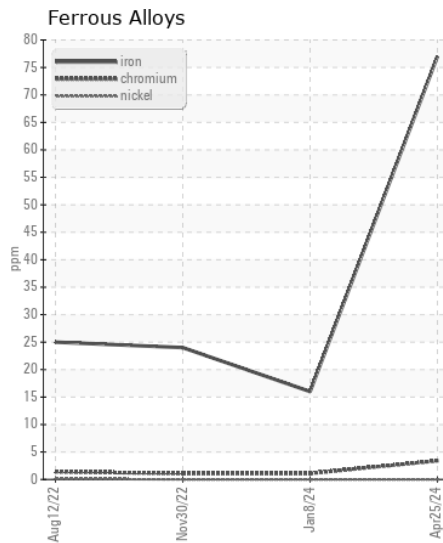
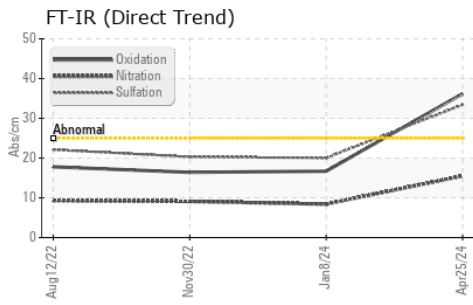
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	10	4	5
Potassium	ppm	ASTM D5185m	>20	8	5	26
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	1.7	0.3	0.4
Nitration	Abs/cm	*ASTM D7624	>20	15.5	8.4	9.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	33.4	20.0	20.3
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	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		3	1	1
Boron	ppm	ASTM D5185m	0	4	0	90
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	73	60	61
Manganese	ppm	ASTM D5185m		1	0	<1
Magnesium	ppm	ASTM D5185m	0	1112	1026	913
Calcium	ppm	ASTM D5185m		1309	1086	1160
Phosphorus	ppm	ASTM D5185m		1168	1067	1004
Zinc	ppm	ASTM D5185m		1440	1325	1247
Sulfur	ppm	ASTM D5185m		3122	3185	3386
Oxidation	Abs/.1mm	*ASTM D7414	>25	36.2	16.7	16.4
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	4.4	8.8	9.4
Visc @ 100°C	cSt	ASTM D445	14	16.2	12.8	12.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0017331
Lab Number : 06176938
Unique Number : 11022991
Test Package : FLEET

Received : 13 May 2024
Tested : 14 May 2024
Diagnosed : 14 May 2024 - Don Baldrige

RTL PACLEASE - 7013 - Albuquerque
 901 64th St. N.W.
 Albuquerque, NM
 US 87121

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)

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