



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
8464955
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0018068	RPL0018095	RPL0016077
Sample Date		Client Info		15 Jun 2024	29 May 2024	02 Jan 2024
Machine Age	mls	Client Info		28920	27531	12547
Oil Age	mls	Client Info		28920	27531	12547
Filter Age	mls	Client Info		28920	27531	12547
Oil Changed		Client Info		Changed	N/A	N/A
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	103	92	50
Chromium	ppm	ASTM D5185m	>20	3	2	1
Nickel	ppm	ASTM D5185m	>4	1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	34	30	25
Lead	ppm	ASTM D5185m	>40	1	0	<1
Copper	ppm	ASTM D5185m	>330	17	13	13
Tin	ppm	ASTM D5185m	>15	2	<1	1
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

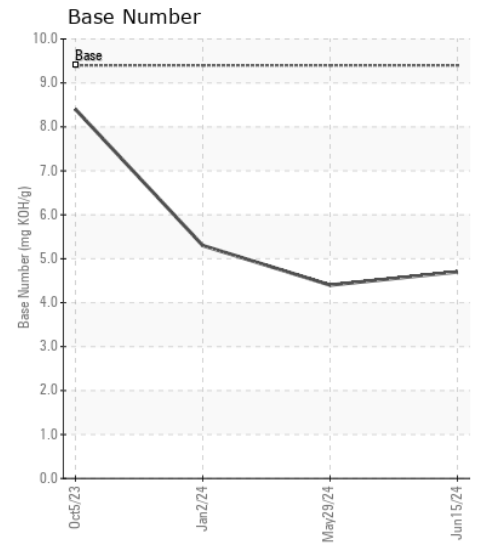
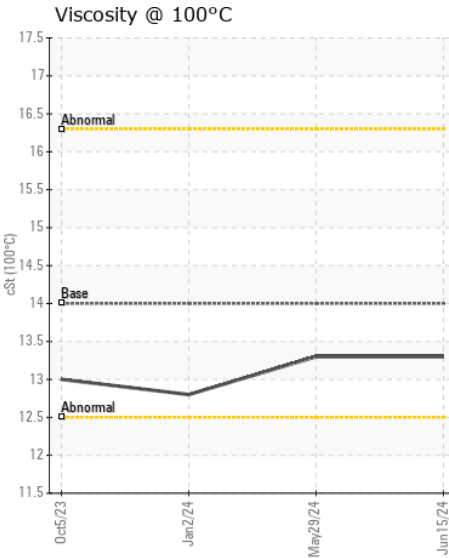
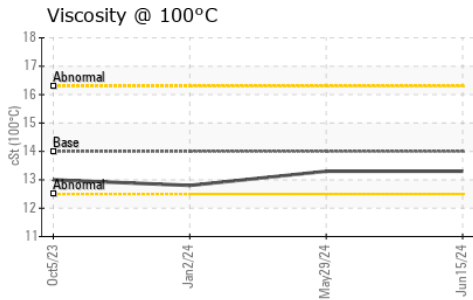
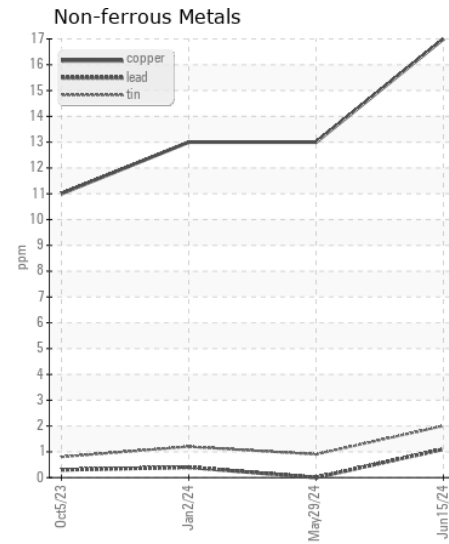
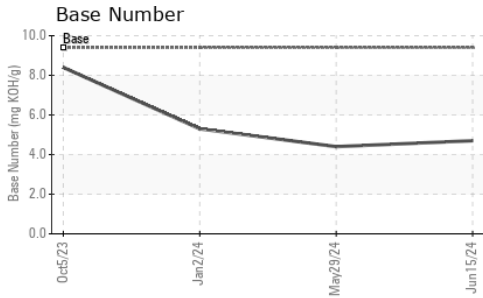
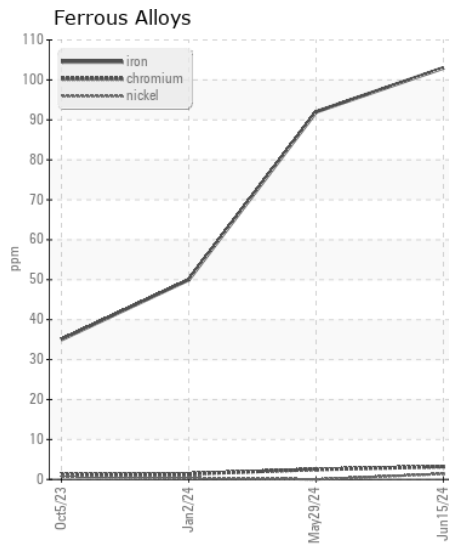
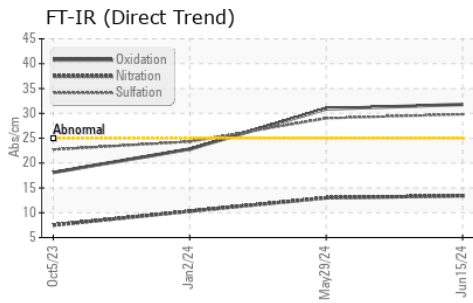
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	17	16	18
Potassium	ppm	ASTM D5185m	>20	18	13	6
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	0.8	0.7	0.4
Nitration	Abs/cm	*ASTM D7624	>20	13.4	13.0	10.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	29.8	29.0	24.3
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	4	3
Boron	ppm	ASTM D5185m	0	78	79	156
Barium	ppm	ASTM D5185m	0	5	4	2
Molybdenum	ppm	ASTM D5185m	0	101	98	96
Manganese	ppm	ASTM D5185m		10	8	7
Magnesium	ppm	ASTM D5185m	0	652	691	686
Calcium	ppm	ASTM D5185m		1480	1570	1373
Phosphorus	ppm	ASTM D5185m		712	698	674
Zinc	ppm	ASTM D5185m		862	862	800
Sulfur	ppm	ASTM D5185m		2420	2734	2326
Oxidation	Abs/.1mm	*ASTM D7414	>25	31.8	30.9	22.8
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	4.7	4.4	5.3
Visc @ 100°C	cSt	ASTM D445	14	13.3	13.3	12.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0018068
Lab Number : 06219323
Unique Number : 11097520
Test Package : FLEET

Received : 25 Jun 2024
Tested : 25 Jun 2024
Diagnosed : 26 Jun 2024 - Don Baldrige

RTL PACLEASE - 7007 - Fontana
 3121 South Riverside
 Bloomington, CA
 US 92316
 Contact: Rudy Trevizo
 TrevizoR@RushEnterprises.Com
 T: (909)829-1044
 F:

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)