



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		RPL0022080	RPL0018068	RPL0018095
Sample Date		Client Info		29 Jun 2024	15 Jun 2024	29 May 2024
Machine Age	mls	Client Info		28780	28920	27531
Oil Age	mls	Client Info		28780	28920	27531
Filter Age	mls	Client Info		28780	28920	27531
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	75	103	92
Chromium	ppm	ASTM D5185m	>20	3	3	2
Nickel	ppm	ASTM D5185m	>4	<1	1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	<1	<1	0
Aluminum	ppm	ASTM D5185m	>20	29	34	30
Lead	ppm	ASTM D5185m	>40	0	1	0
Copper	ppm	ASTM D5185m	>330	16	17	13
Tin	ppm	ASTM D5185m	>15	1	2	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

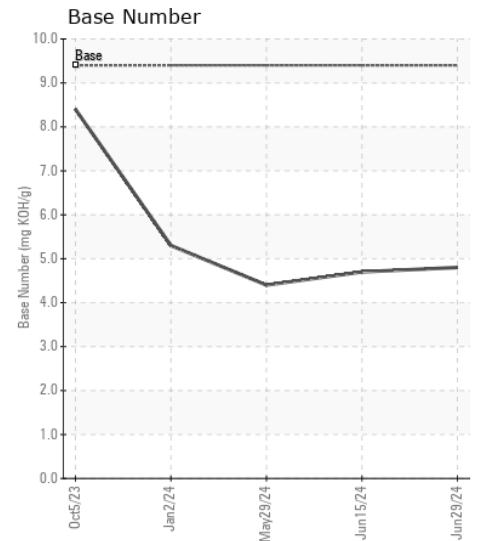
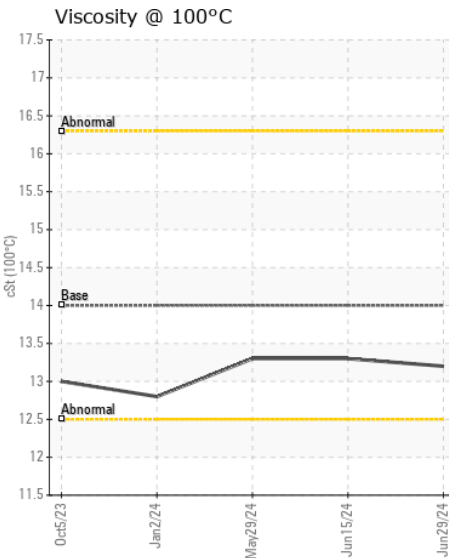
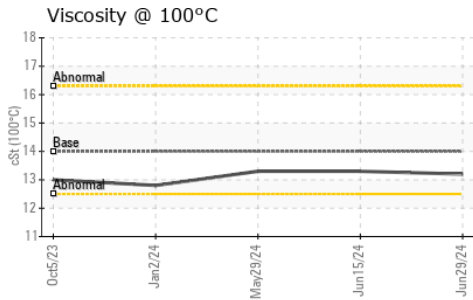
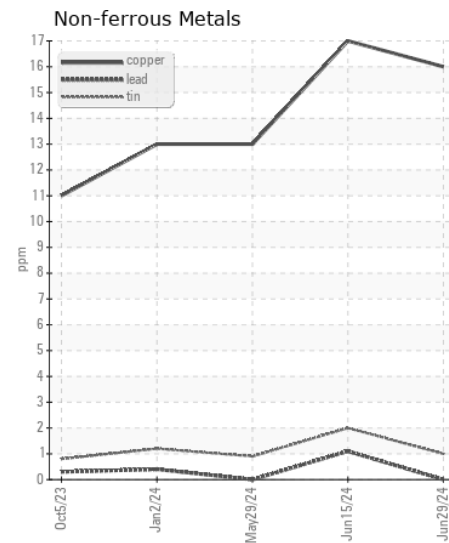
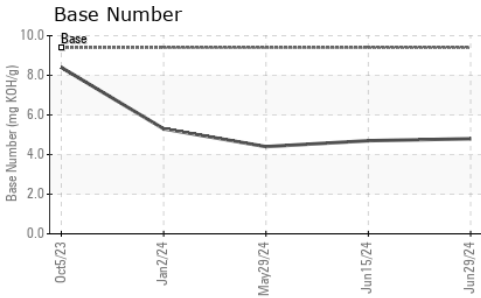
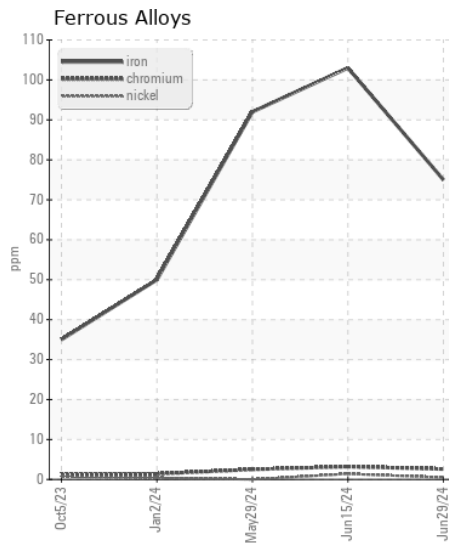
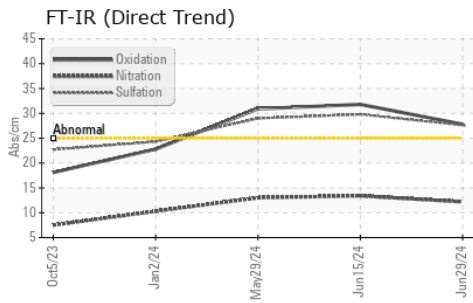
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	14	17	16
Potassium	ppm	ASTM D5185m	>20	15	18	13
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	0.7	0.8	0.7
Nitration	Abs/cm	*ASTM D7624	>20	12.2	13.4	13.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.6	29.8	29.0
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	3	4
Boron	ppm	ASTM D5185m	0	73	78	79
Barium	ppm	ASTM D5185m	0	2	5	4
Molybdenum	ppm	ASTM D5185m	0	96	101	98
Manganese	ppm	ASTM D5185m		8	10	8
Magnesium	ppm	ASTM D5185m	0	697	652	691
Calcium	ppm	ASTM D5185m		1466	1480	1570
Phosphorus	ppm	ASTM D5185m		668	712	698
Zinc	ppm	ASTM D5185m		843	862	862
Sulfur	ppm	ASTM D5185m		2179	2420	2734
Oxidation	Abs/.1mm	*ASTM D7414	>25	27.8	31.8	30.9
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	4.8	4.7	4.4
Visc @ 100°C	cSt	ASTM D445	14	13.2	13.3	13.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : RPL0022080

Lab Number : 06234510

Unique Number : 11123344

Test Package : FLEET

Received : 12 Jul 2024

Tested : 12 Jul 2024

Diagnosed : 15 Jul 2024 - Don Baldrige

RTL PACLEASE - 7007 - Fontana

3121 South Riverside

Bloomington, CA

US 92316

Contact: Rudy Trevizo

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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)