



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
8464479
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0020462	RPL0018102	RPL0016179
Sample Date		Client Info		04 Jun 2024	02 May 2024	18 Jan 2024
Machine Age	mls	Client Info		504813	89	475120
Oil Age	mls	Client Info		5892	0	56983
Filter Age	mls	Client Info		5892	0	56983
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

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

CONTAMINATION

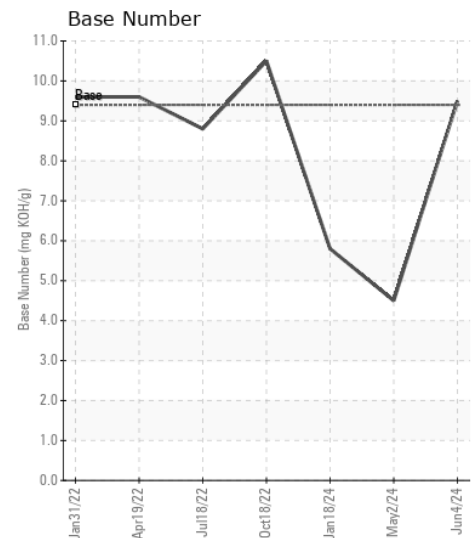
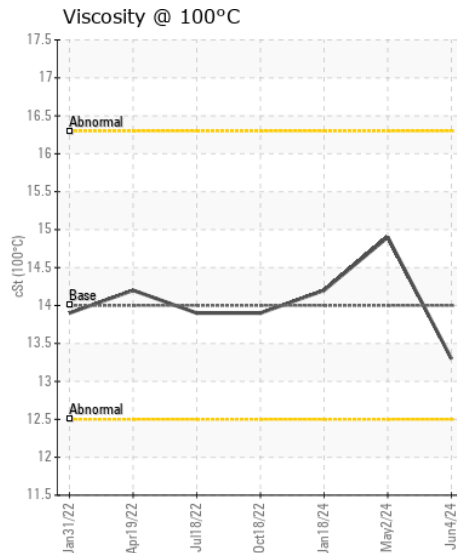
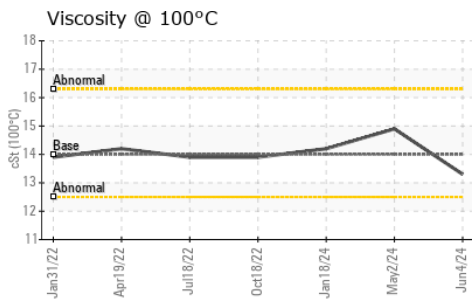
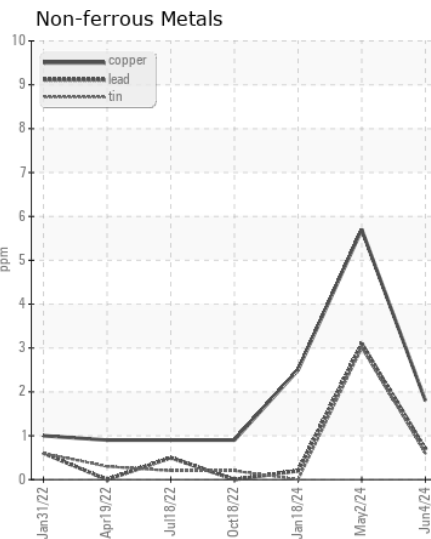
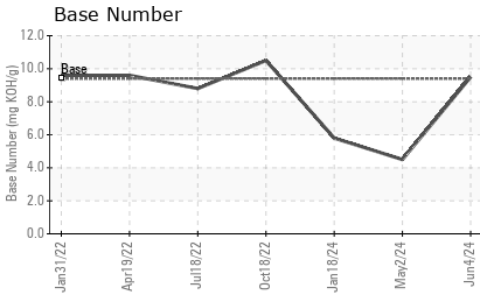
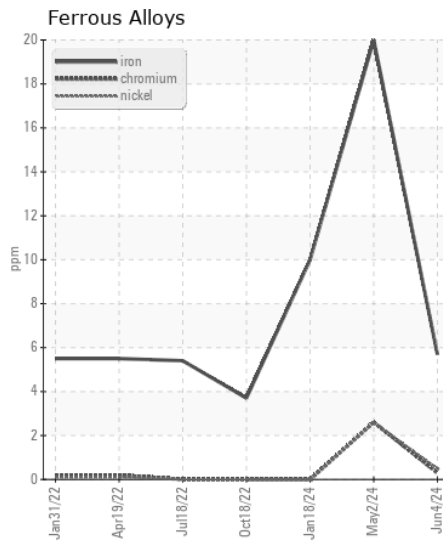
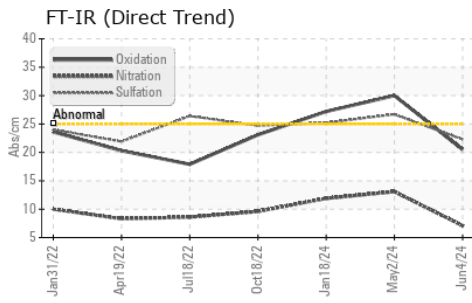
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	7	15	12
Potassium	ppm	ASTM D5185m	>20	4	8	<1
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	0.2	0.7	0.6
Nitration	Abs/cm	*ASTM D7624	>20	7.1	13.1	11.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.3	26.7	25.2
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		2	4	3
Boron	ppm	ASTM D5185m	0	48	24	20
Barium	ppm	ASTM D5185m	0	1	1	0
Molybdenum	ppm	ASTM D5185m	0	45	53	49
Manganese	ppm	ASTM D5185m		<1	3	<1
Magnesium	ppm	ASTM D5185m	0	489	550	531
Calcium	ppm	ASTM D5185m		1639	1803	1804
Phosphorus	ppm	ASTM D5185m		736	849	814
Zinc	ppm	ASTM D5185m		901	996	942
Sulfur	ppm	ASTM D5185m		2378	2915	2479
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.5	30.0	27.2
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	9.5	4.5	5.8
Visc @ 100°C	cSt	ASTM D445	14	13.3	14.9	14.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0020462
Lab Number : 06219342
Unique Number : 11097539
Test Package : FLEET

Received : 25 Jun 2024
Tested : 25 Jun 2024
Diagnosed : 25 Jun 2024 - Wes Davis

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)