



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
139442
 Component
Diesel Engine
 Fluid
MOBIL DELVAC EXTREME 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0008084	RPL0008146	RPL0007985
Sample Date		Client Info		07 Nov 2023	15 Jul 2023	21 Jan 2023
Machine Age	hrs	Client Info		4858	4305	3448
Oil Age	hrs	Client Info		553	857	1406
Filter Age	hrs	Client Info		553	857	1406
Oil Changed		Client Info		Not Changd	Changed	Changed
Filter Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	14	27	53
Chromium	ppm	ASTM D5185m	>20	<1	1	4
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	2	5	14
Lead	ppm	ASTM D5185m	>40	<1	<1	4
Copper	ppm	ASTM D5185m	>330	0	<1	4
Tin	ppm	ASTM D5185m	>15	<1	<1	2
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

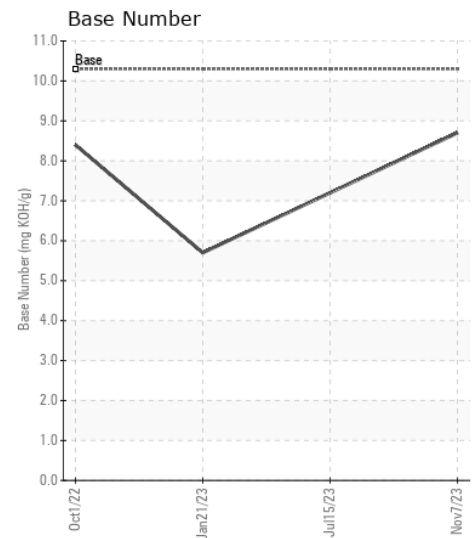
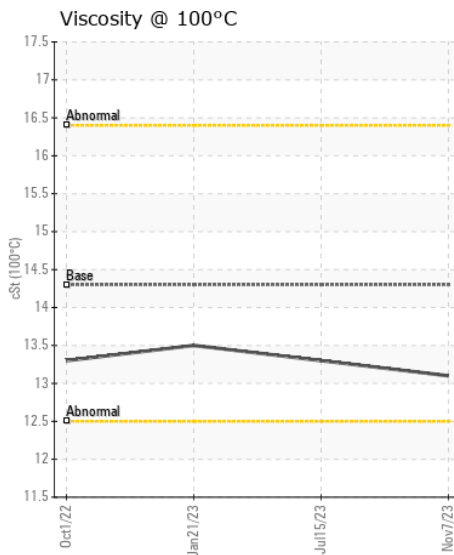
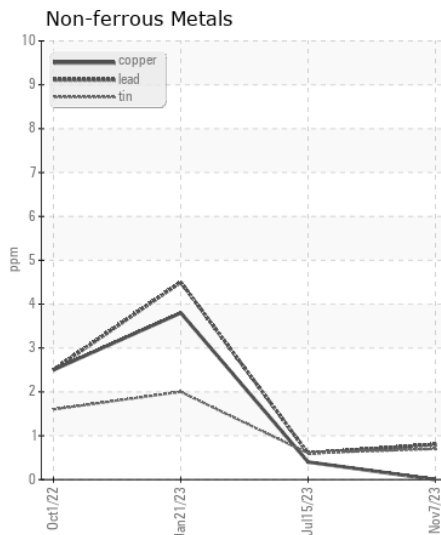
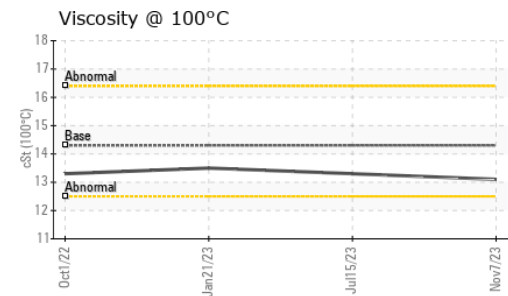
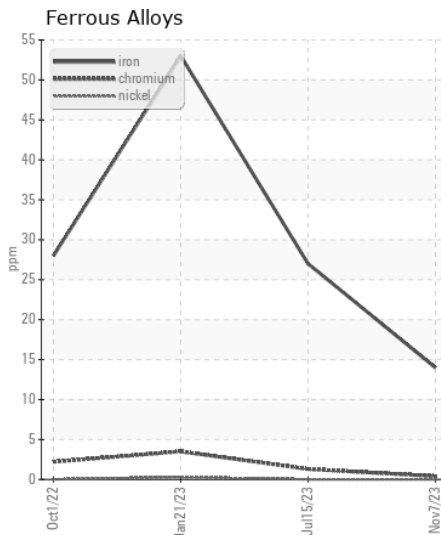
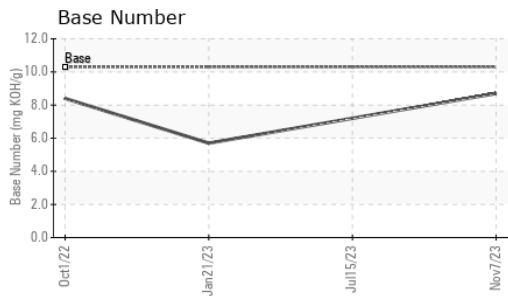
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	5	6	11
Potassium	ppm	ASTM D5185m	>20	6	17	42
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	0.4	0.7	1
Nitration	Abs/cm	*ASTM D7624	>20	8.8	11.1	13.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.7	23.2	26.9
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		0	2	1
Boron	ppm	ASTM D5185m		4	4	2
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		62	65	60
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m		965	1031	848
Calcium	ppm	ASTM D5185m		1068	1253	1222
Phosphorus	ppm	ASTM D5185m		1085	1076	948
Zinc	ppm	ASTM D5185m		1292	1360	1167
Sulfur	ppm	ASTM D5185m		3135	3661	2443
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.2	19.2	23.7
Base Number (BN)	mg KOH/g	ASTM D2896	10.3	8.7	7.2	5.7
Visc @ 100°C	cSt	ASTM D445	14.3	13.1	13.3	13.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0008084 **Received** : 16 Jan 2024
Lab Number : 06060910 **Diagnosed** : 17 Jan 2024
Unique Number : 10832292 **Diagnostician** : Wes Davis
Test Package : FLEET

RTL PACLEASE - 7017 - Oklahoma City
 8700 West I-40
 Oklahoma City, OK
 US 73128
 Contact: TECHNICIAN ACCOUNT
 catherine.anastasio@wearcheck.com

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)

T:
F: