



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	ATTENTION

Machine Id
8464311
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- QTS)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

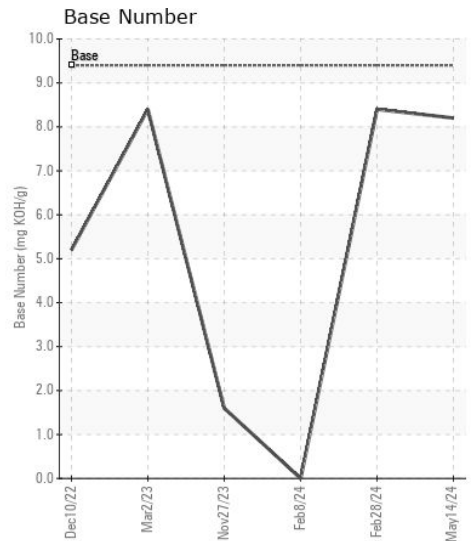
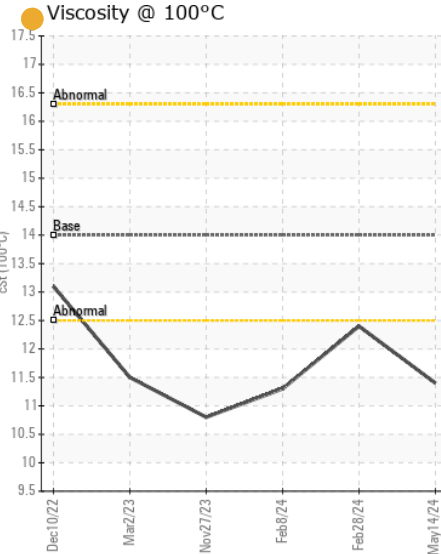
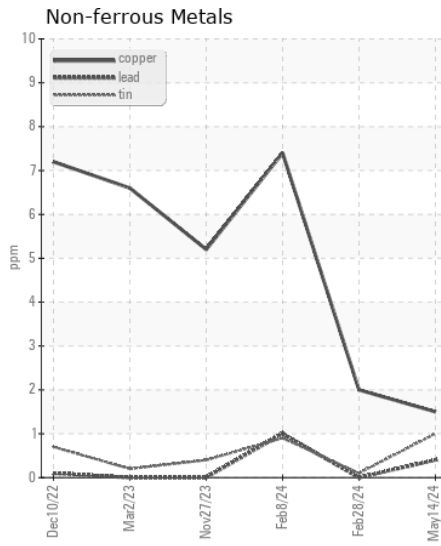
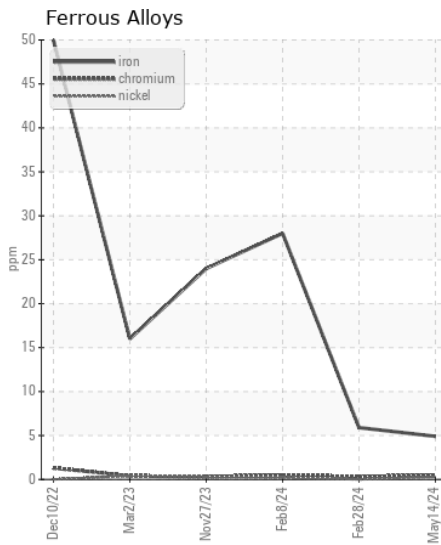
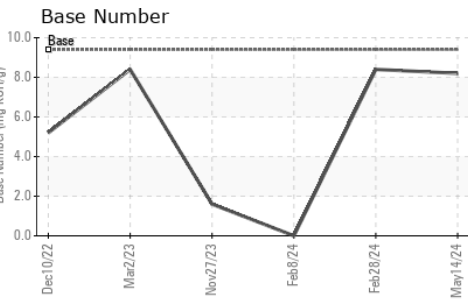
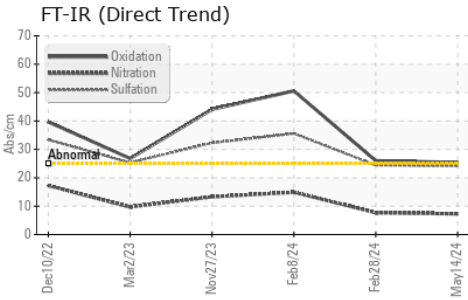
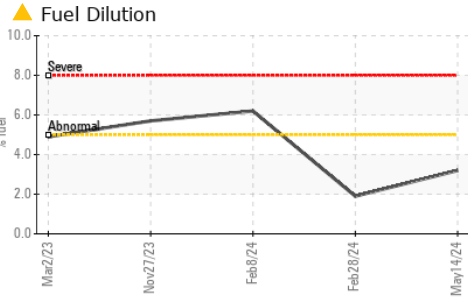
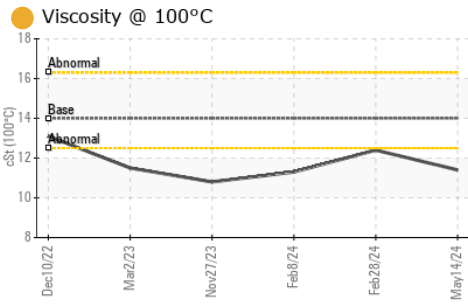
CONTAMINATION

Light fuel dilution occurring.

FLUID CONDITION

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0018181	RPL0018048	RPL0017491
Sample Date		Client Info		14 May 2024	28 Feb 2024	08 Feb 2024
Machine Age	mls	Client Info		118356	112550	112455
Oil Age	mls	Client Info		0	95	19808
Filter Age	mls	Client Info		0	95	19808
Oil Changed		Client Info		Not Changd	Changed	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				ATTENTION	NORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>100	5	6	28
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	<1	0	<1
Aluminum	ppm	ASTM D5185m	>20	2	2	7
Lead	ppm	ASTM D5185m	>40	<1	0	1
Copper	ppm	ASTM D5185m	>330	2	2	7
Tin	ppm	ASTM D5185m	>15	1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	5	4	7
Potassium	ppm	ASTM D5185m	>20	2	4	7
Fuel	%	ASTM D3524	>5	▲ 3.2	1.9	▲ 6.2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.1	0.2	0.5
Nitration	Abs/cm	*ASTM D7624	>20	7.3	7.7	14.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.1	24.4	35.6
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
Sodium	ppm	ASTM D5185m		<1	0	3
Boron	ppm	ASTM D5185m	0	57	53	18
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	41	42	37
Manganese	ppm	ASTM D5185m		<1	0	1
Magnesium	ppm	ASTM D5185m	0	493	454	441
Calcium	ppm	ASTM D5185m		1623	1478	1419
Phosphorus	ppm	ASTM D5185m		684	688	621
Zinc	ppm	ASTM D5185m		927	831	821
Sulfur	ppm	ASTM D5185m		2648	2422	2274
Oxidation	Abs/.1mm	*ASTM D7414	>25	25.4	26.0	50.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	8.2	8.4	▲ 0.0
Visc @ 100°C	cSt	ASTM D445	14	● 11.4	12.4	▲ 11.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0018181 **Received** : 24 May 2024
Lab Number : 06190276 **Tested** : 30 May 2024
Unique Number : 11047028 **Diagnosed** : 30 May 2024 - Jonathan Hester
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

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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)