OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
846-4346
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

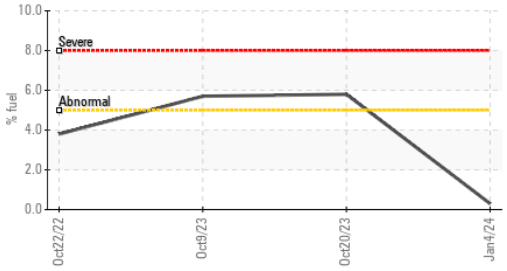
Fuel content negligible. There is no indication of any contamination in the oil.

FLUID CONDITION

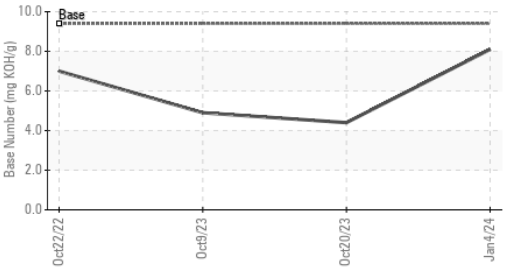
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0016059	RPL0015092	RPL0015119
Sample Date		Client Info		04 Jan 2024	20 Oct 2023	09 Oct 2023
Machine Age	mls	Client Info		99336	94156	92808
Oil Age	mls	Client Info		10311	3775	2427
Filter Age	mls	Client Info		10311	3775	2427
Oil Changed		Client Info		Not Changd	N/A	N/A
Filter Changed		Client Info		Not Changd	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>100	3	55	50
Chromium	ppm	ASTM D5185m	>20	0	2	1
Nickel	ppm	ASTM D5185m	>4	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	20	18
Lead	ppm	ASTM D5185m	>40	0	<1	<1
Copper	ppm	ASTM D5185m	>330	<1	9	9
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	6	11	11
Potassium	ppm	ASTM D5185m	>20	2	36	38
Fuel	%	ASTM D3524	>5	0.3	▲ 5.8	▲ 5.7
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.1	0.8	0.8
Nitration	Abs/cm	*ASTM D7624	>20	7.0	13.2	13.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.4	29.1	28.6
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		2	3	0
Boron	ppm	ASTM D5185m	0	97	20	23
Barium	ppm	ASTM D5185m	0	0	0	3
Molybdenum	ppm	ASTM D5185m	0	87	33	34
Manganese	ppm	ASTM D5185m		0	1	<1
Magnesium	ppm	ASTM D5185m	0	632	488	471
Calcium	ppm	ASTM D5185m		1446	1571	1525
Phosphorus	ppm	ASTM D5185m		781	644	677
Zinc	ppm	ASTM D5185m		898	886	838
Sulfur	ppm	ASTM D5185m		3215	2224	2560
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.5	33.9	33.0
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	8.1	4.4	4.9
Visc @ 100°C	cSt	ASTM D445	14	13.5	▲ 12.1	▲ 12.0

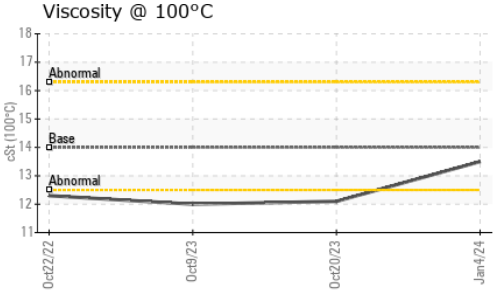
Fuel Dilution



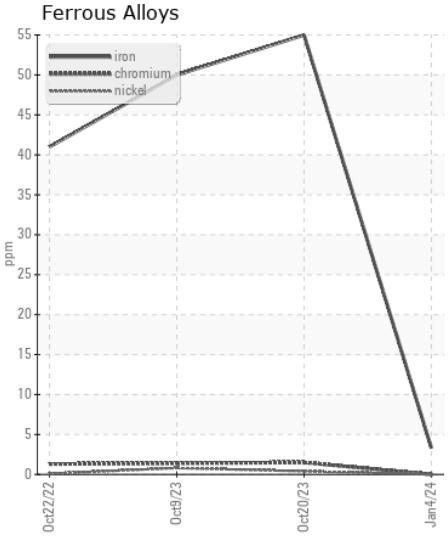
Base Number



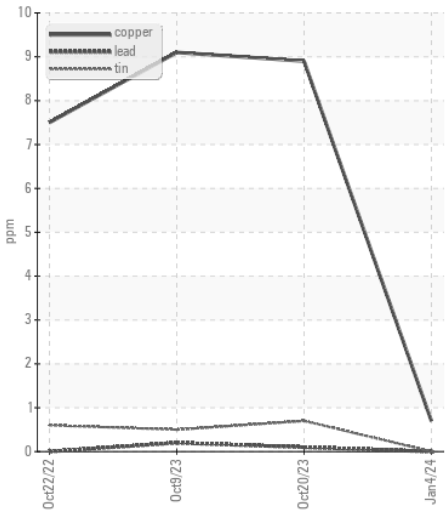
Viscosity @ 100°C



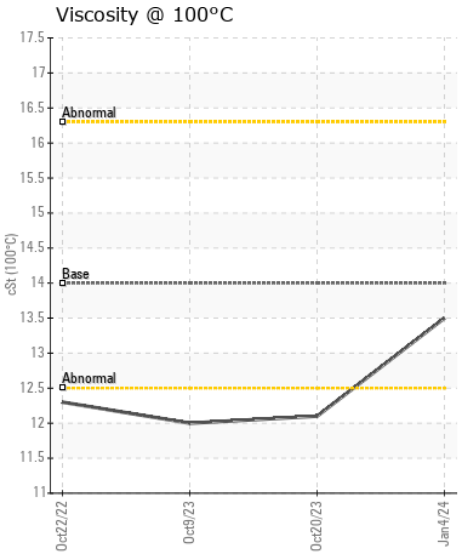
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



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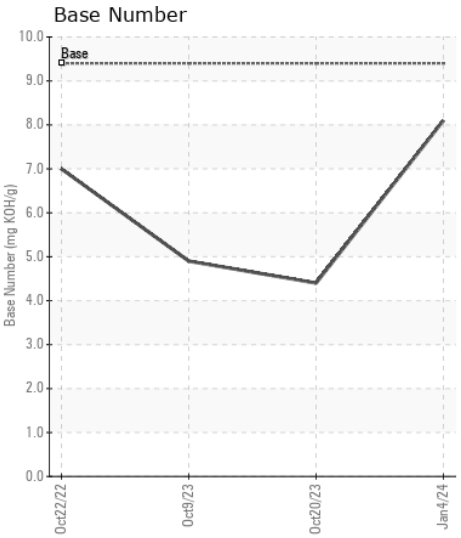

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0016059 **Recieved** : 17 Jan 2024
Lab Number : 06063458 **Diagnosed** : 25 Jan 2024
Unique Number : 10834840 **Diagnostician** : Jonathan Hester
Test Package : FLEET (Additional Tests: PercentFuel)

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)

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