OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
8465118
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

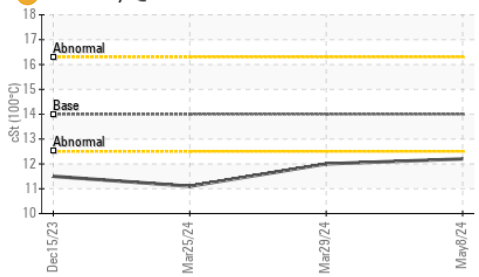
There is no indication of any contamination in the oil.

FLUID CONDITION

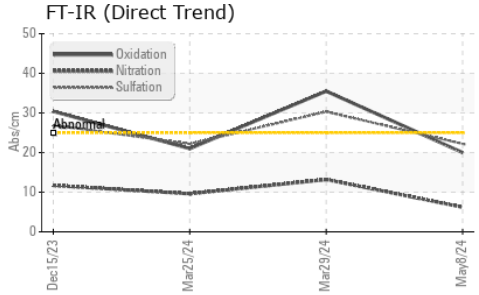
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0020478	RPL0018082	RPL0017521
Sample Date		Client Info		08 May 2024	29 Mar 2024	25 Mar 2024
Machine Age	mls	Client Info		48003	0	41000
Oil Age	mls	Client Info		48003	41300	41000
Filter Age	mls	Client Info		48003	0	41000
Oil Changed		Client Info		Not Changd	Changed	Changed
Filter Changed		Client Info		Not Changd	N/A	Changed
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>100	11	87	29
Chromium	ppm	ASTM D5185m	>20	1	4	<1
Nickel	ppm	ASTM D5185m	>4	<1	1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	1	0	<1
Aluminum	ppm	ASTM D5185m	>20	3	17	16
Lead	ppm	ASTM D5185m	>40	2	12	3
Copper	ppm	ASTM D5185m	>330	4	32	22
Tin	ppm	ASTM D5185m	>15	2	6	2
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	9	40	41
Potassium	ppm	ASTM D5185m	>20	8	53	65
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	0.1	0.4	0.2
Nitration	Abs/cm	*ASTM D7624	>20	6.2	13.2	9.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.2	30.3	22.2
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
Sodium	ppm	ASTM D5185m		3	5	3
Boron	ppm	ASTM D5185m	0	71	24	34
Barium	ppm	ASTM D5185m	0	0	5	6
Molybdenum	ppm	ASTM D5185m	0	42	24	15
Manganese	ppm	ASTM D5185m		<1	6	4
Magnesium	ppm	ASTM D5185m	0	530	873	678
Calcium	ppm	ASTM D5185m		1646	1675	1254
Phosphorus	ppm	ASTM D5185m		701	852	730
Zinc	ppm	ASTM D5185m		945	1120	819
Sulfur	ppm	ASTM D5185m		2742	3477	2765
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.0	35.5	21.0
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	9.4	2.3	4.6
Visc @ 100°C	cSt	ASTM D445	14	12.2	12.0	11.1

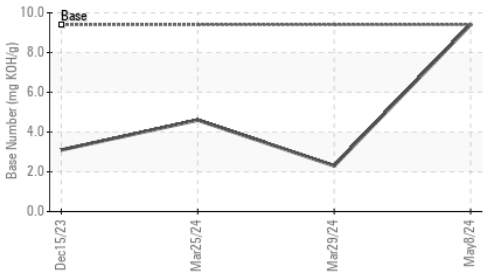
Viscosity @ 100°C



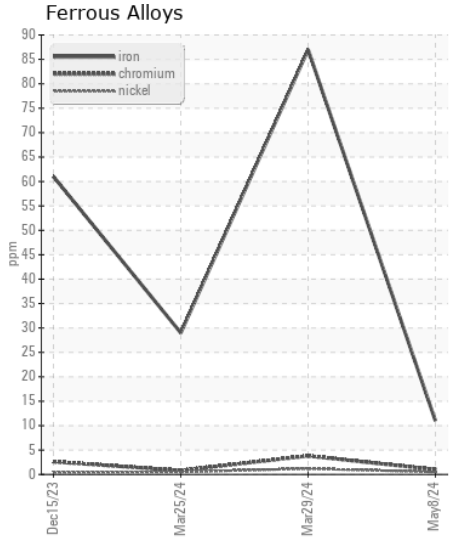
FT-IR (Direct Trend)



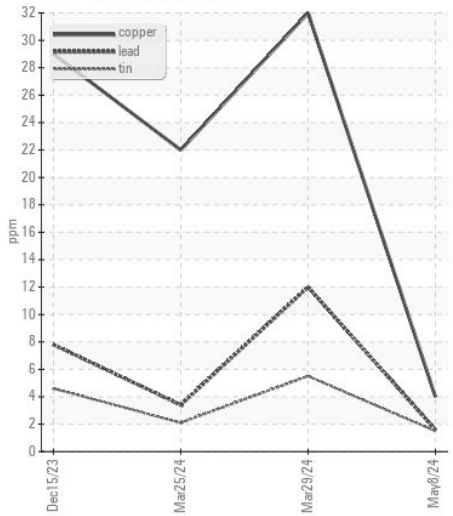
Base Number



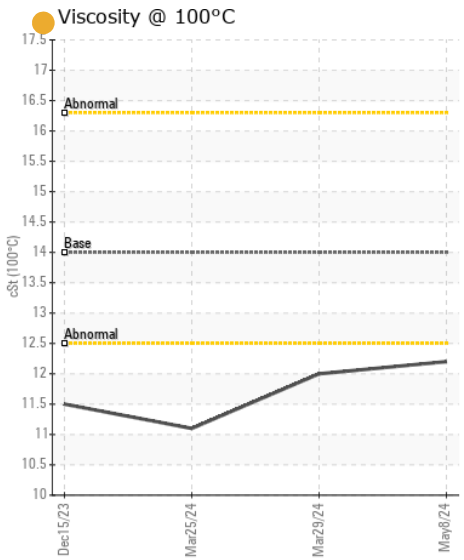
Ferrous Alloys



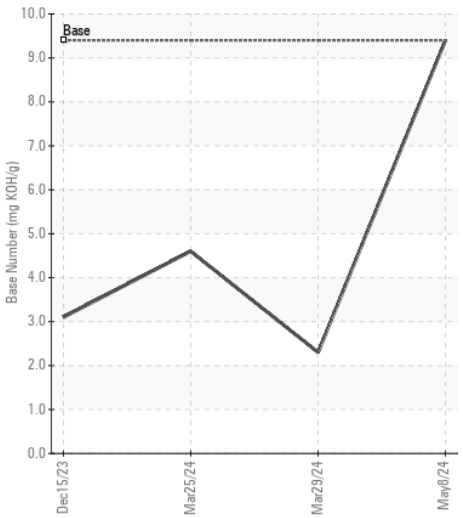
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0020478
Lab Number : 06190284
Unique Number : 11047036
Test Package : FLEET

Received : 24 May 2024
Tested : 25 May 2024
Diagnosed : 29 May 2024 - Don Baldridge

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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