OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
857-4738
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER 10W30 (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

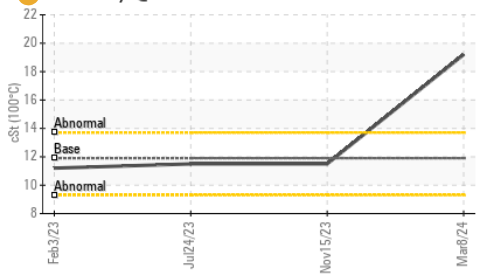
There is no indication of any contamination in the oil.

FLUID CONDITION

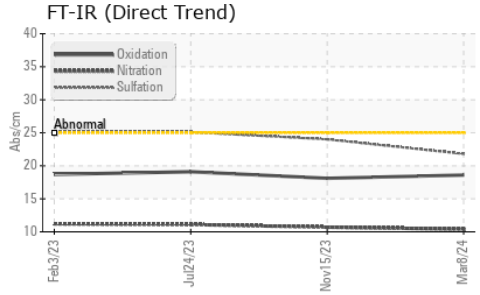
The oil viscosity is higher than normal. The BN result indicates that there is suitable alkalinity remaining in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0014720	RPL0010901	RPL0010175
Sample Date		Client Info		08 Mar 2024	15 Nov 2023	24 Jul 2023
Machine Age	mls	Client Info		145996	126922	104367
Oil Age	mls	Client Info		19074	22555	34886
Filter Age	mls	Client Info		19074	22555	34886
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>100	18	28	46
Chromium	ppm	ASTM D5185m	>20	<1	<1	1
Nickel	ppm	ASTM D5185m	>4	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	4	7	8
Lead	ppm	ASTM D5185m	>40	2	2	4
Copper	ppm	ASTM D5185m	>330	1	1	2
Tin	ppm	ASTM D5185m	>15	1	0	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	8	9	11
Potassium	ppm	ASTM D5185m	>20	10	23	34
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	0.9	1	1.2
Nitration	Abs/cm	*ASTM D7624	>20	10.4	10.7	11.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.8	24.0	25.1
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	4	4
Boron	ppm	ASTM D5185m		28	23	15
Barium	ppm	ASTM D5185m		<1	2	0
Molybdenum	ppm	ASTM D5185m		30	6	11
Manganese	ppm	ASTM D5185m		<1	0	1
Magnesium	ppm	ASTM D5185m		589	815	809
Calcium	ppm	ASTM D5185m		1543	1515	1561
Phosphorus	ppm	ASTM D5185m		793	771	747
Zinc	ppm	ASTM D5185m		886	944	893
Sulfur	ppm	ASTM D5185m		2910	3547	3540
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.6	18.1	19.1
Base Number (BN)	mg KOH/g	ASTM D2896	10.5	7.4	5.8	5.5
Visc @ 100°C	cSt	ASTM D445	11.9	19.2	11.5	11.5

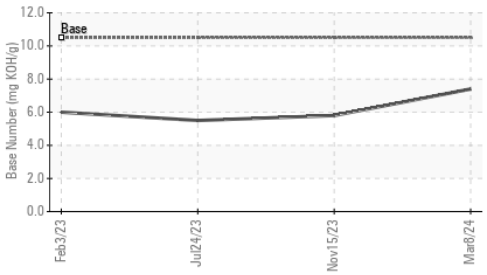
Viscosity @ 100°C



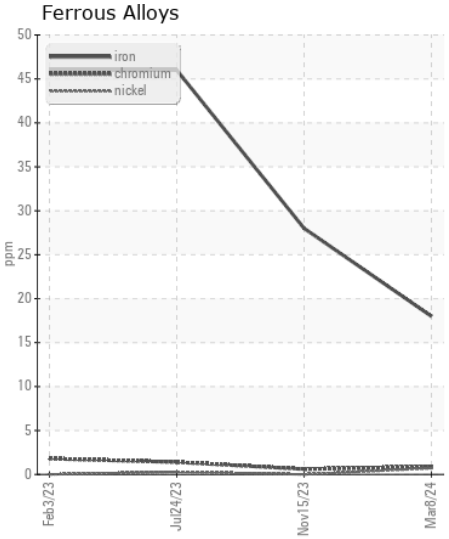
FT-IR (Direct Trend)



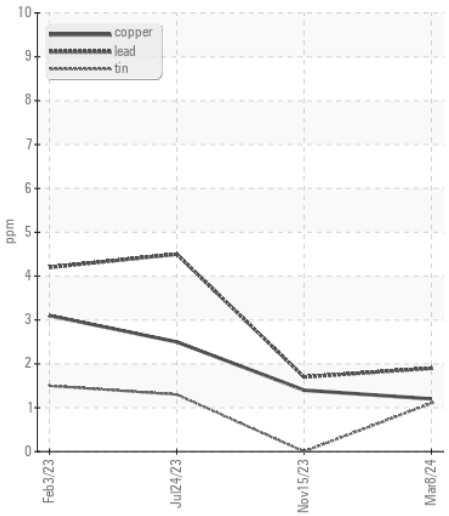
Base Number



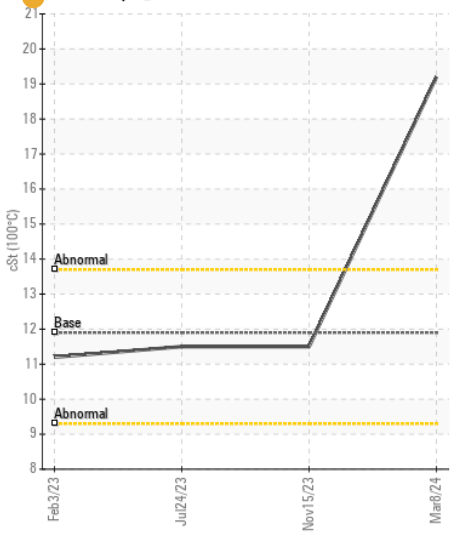
Ferrous Alloys



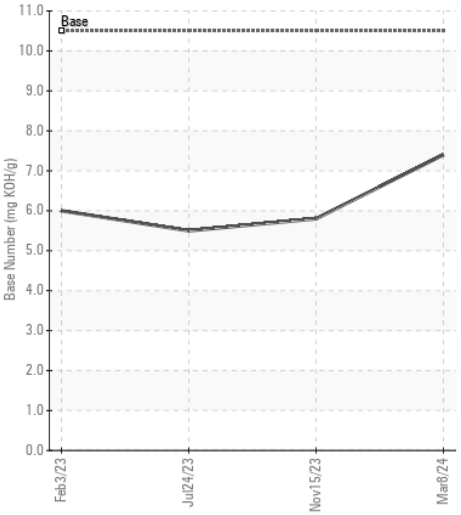
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0014720
Lab Number : 06149903
Unique Number : 10979981
Test Package : FLEET

Received : 16 Apr 2024
Tested : 17 Apr 2024
Diagnosed : 18 Apr 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)

RTL PACLEASE - 7001 - Houston
6300 N. Loop East
Houston, TX
US 77026
Contact: RODNEY BRIGGS
briggsr@rushenterprises.com
T:
F: