OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
813557
Component
Diesel Engine
Fluid
MOBIL DELVAC EXTREME 15W40 (--- GAL)

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

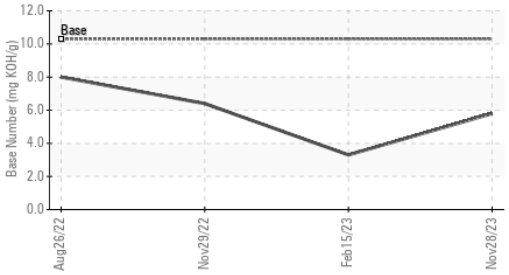
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0008092	RPL0008013	RPL0007378
Sample Date		Client Info		28 Nov 2023	15 Feb 2023	29 Nov 2022
Machine Age	hrs	Client Info		14064	10236	131491
Oil Age	hrs	Client Info		2215	2799	23384
Filter Age	hrs	Client Info		2215	2799	23384
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185m	>100	21	40	17
Chromium	ppm	ASTM D5185m	>20	1	1	<1
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	5	8	4
Lead	ppm	ASTM D5185m	>40	4	5	3
Copper	ppm	ASTM D5185m	>330	0	<1	<1
Tin	ppm	ASTM D5185m	>15	<1	<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	6	6
Potassium	ppm	ASTM D5185m	>20	9	16	10
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	0.5	0.7	0.5
Nitration	Abs/cm	*ASTM D7624	>20	11.5	16.9	12.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.5	31.0	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
Sodium	ppm	ASTM D5185m		<1	<1	1
Boron	ppm	ASTM D5185m		4	31	4
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		66	71	70
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		997	956	990
Calcium	ppm	ASTM D5185m		1086	1275	1195
Phosphorus	ppm	ASTM D5185m		1096	1000	1066
Zinc	ppm	ASTM D5185m		1321	1350	1328
Sulfur	ppm	ASTM D5185m		2840	3047	3440
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.8	36.0	24.1
Base Number (BN)	mg KOH/g	ASTM D2896	10.3	5.8	▲ 3.3	6.4
Visc @ 100°C	cSt	ASTM D445	14.3	13.6	14.5	13.6

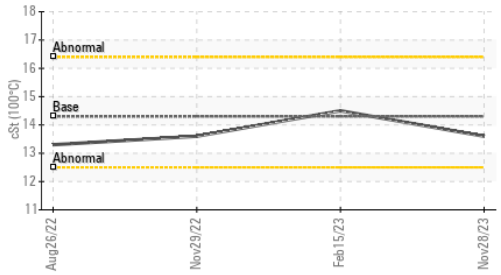
Report Id: PAC7017 [WUSCAR] 06060895 (Generated: 01/17/2024 09:43:12) Rev: 1

Submitted By: TECHNICIAN ACCOUNT

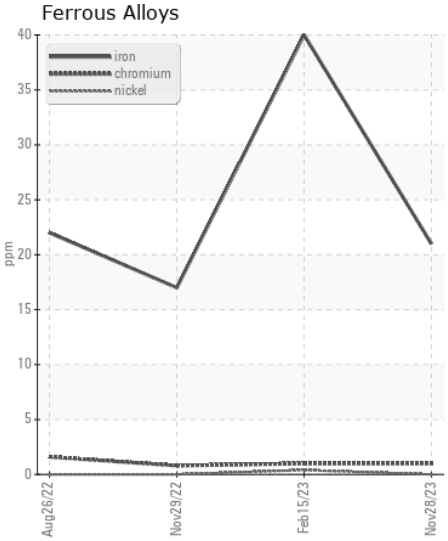
Base Number



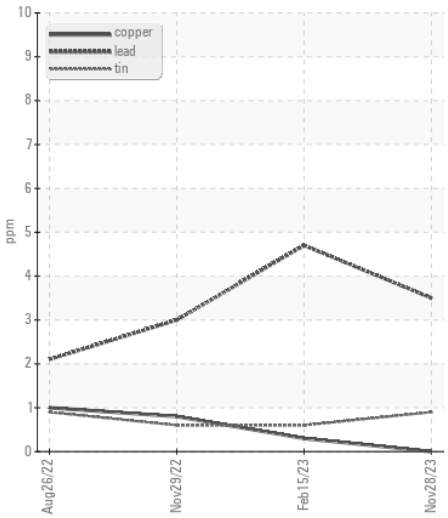
Viscosity @ 100°C



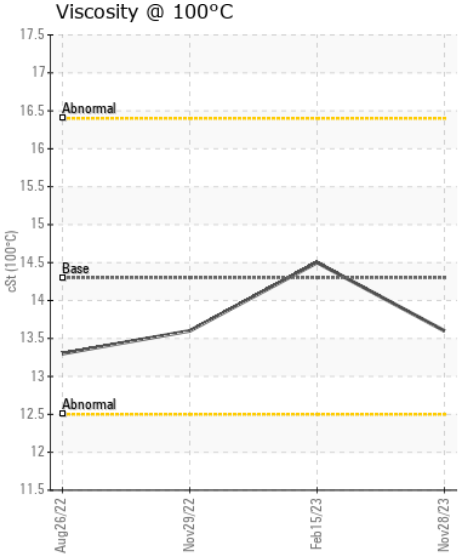
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



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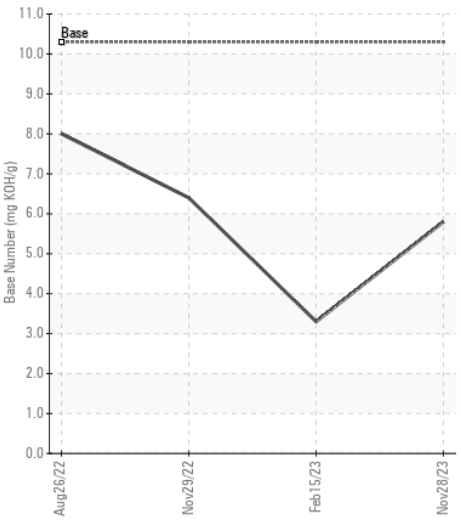

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0008092
Lab Number : 06060895
Unique Number : 10832277
Test Package : FLEET

Recieved : 16 Jan 2024
Diagnosed : 17 Jan 2024
Diagnostician : Wes Davis

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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