OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
813515
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

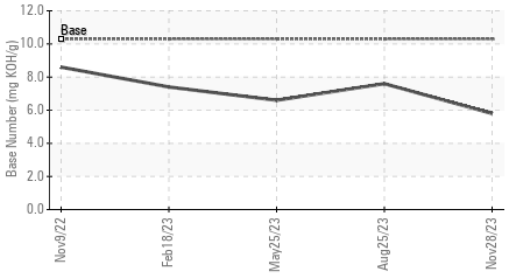
There is no indication of any contamination in the oil.

FLUID CONDITION

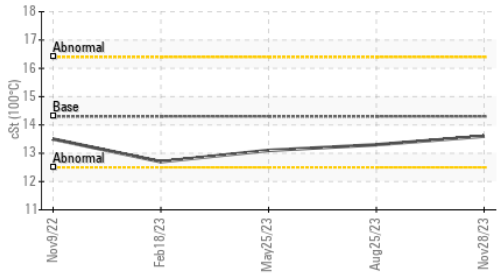
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0008093	RPL0008061	RPL0008162
Sample Date		Client Info		28 Nov 2023	25 Aug 2023	25 May 2023
Machine Age	hrs	Client Info		10858	10308	9504
Oil Age	hrs	Client Info		550	804	1092
Filter Age	hrs	Client Info		550	804	1092
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>100	27	14	34
Chromium	ppm	ASTM D5185m	>20	3	2	6
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		8	4	18
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	3	1	2
Lead	ppm	ASTM D5185m	>40	3	2	2
Copper	ppm	ASTM D5185m	>330	<1	<1	1
Tin	ppm	ASTM D5185m	>15	1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	7	5	6
Potassium	ppm	ASTM D5185m	>20	2	4	1
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	0.8	0.4	0.6
Nitration	Abs/cm	*ASTM D7624	>20	13.2	10.8	13.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.5	22.6	26.6
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		3	3	4
Boron	ppm	ASTM D5185m		8	5	17
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		61	64	61
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		972	1101	931
Calcium	ppm	ASTM D5185m		1203	1311	1425
Phosphorus	ppm	ASTM D5185m		1151	1181	1083
Zinc	ppm	ASTM D5185m		1386	1499	1340
Sulfur	ppm	ASTM D5185m		3111	4271	3670
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.0	18.9	22.6
Base Number (BN)	mg KOH/g	ASTM D2896	10.3	5.8	7.6	6.6
Visc @ 100°C	cSt	ASTM D445	14.3	13.6	13.3	13.1

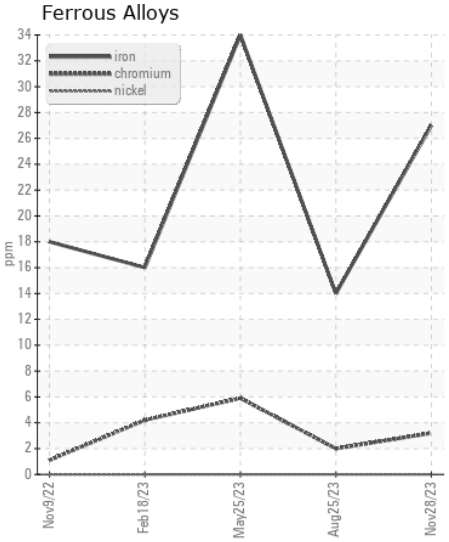
Base Number



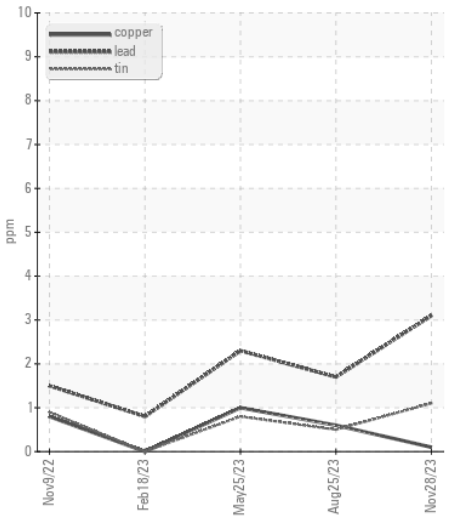
Viscosity @ 100°C



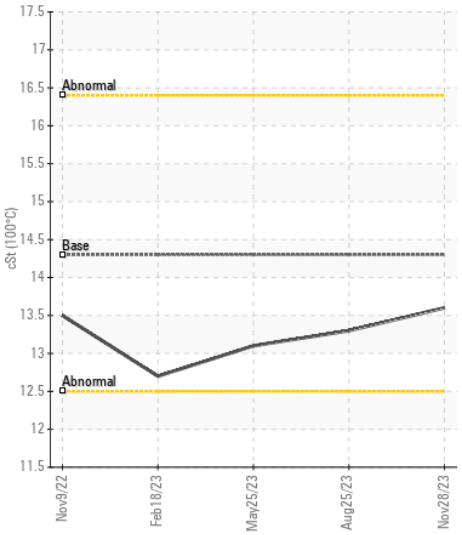
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



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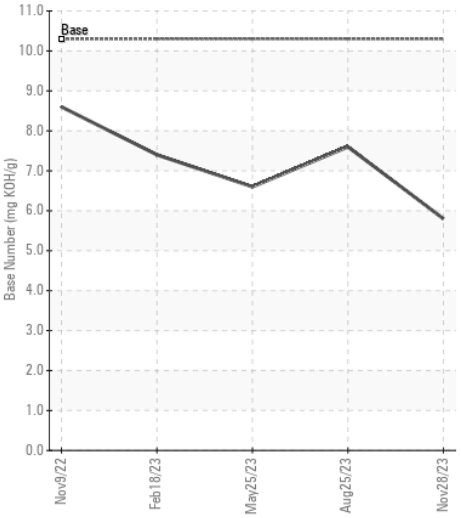

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: RPL0008093	**Recieved**	: 16 Jan 2024
Lab Number	: 06060896	**Diagnosed**	: 17 Jan 2024
Unique Number	: 10832278	**Diagnostician**	: Wes Davis
Test Package	: FLEET		

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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