IDEALEASE FLEET

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
8337R
Component
Diesel Engine
Fluid
MOBIL 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

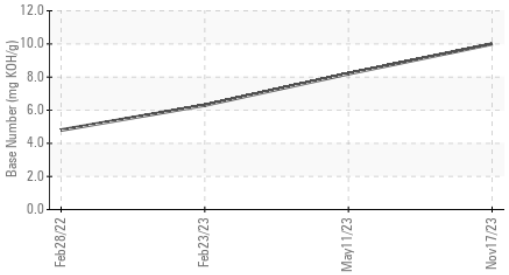
There is no indication of any contamination in the oil.

FLUID CONDITION

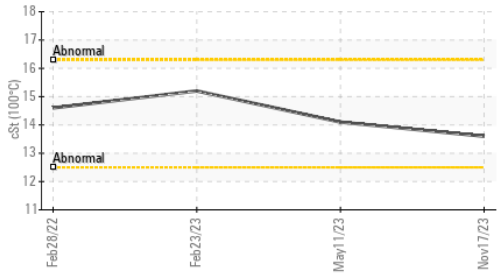
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		IL06063986	IL0028006	IL0028035
Sample Date		Client Info		17 Nov 2023	11 May 2023	23 Feb 2023
Machine Age	mls	Client Info		0	0	9274
Oil Age	mls	Client Info		0	0	1826
Filter Age	mls	Client Info		0	0	1826
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>100	17	39	53
Chromium	ppm	ASTM D5185m	>20	<1	2	2
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	1	3
Lead	ppm	ASTM D5185m	>40	0	0	<1
Copper	ppm	ASTM D5185m	>330	1	<1	1
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	3	4	5
Potassium	ppm	ASTM D5185m	>20	2	<1	0
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	0.7	1.8	1.8
Nitration	Abs/cm	*ASTM D7624	>20	7.0	12.1	14.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.7	24.6	28.3
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	>118	0	3	1
Boron	ppm	ASTM D5185m		0	2	3
Barium	ppm	ASTM D5185m		3	0	0
Molybdenum	ppm	ASTM D5185m		58	76	54
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		977	1208	860
Calcium	ppm	ASTM D5185m		1039	1285	964
Phosphorus	ppm	ASTM D5185m		1015	1239	881
Zinc	ppm	ASTM D5185m		1205	1567	1121
Sulfur	ppm	ASTM D5185m		3642	4163	3096
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.4	21.3	28.0
Base Number (BN)	mg KOH/g	ASTM D2896		10.0	8.2	6.3
Visc @ 100°C	cSt	ASTM D445		13.6	14.1	15.2

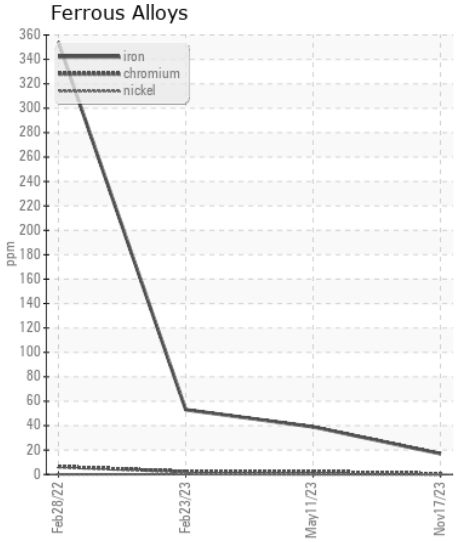
Base Number



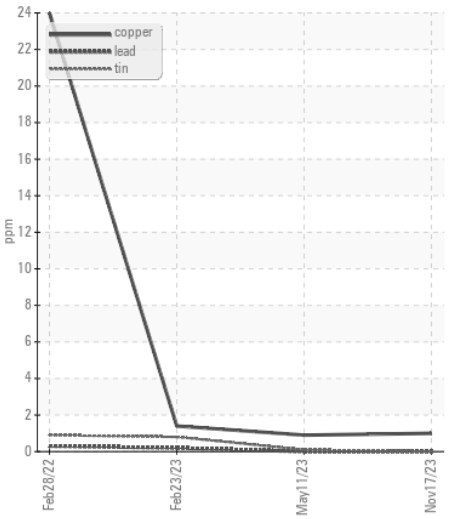
Viscosity @ 100°C



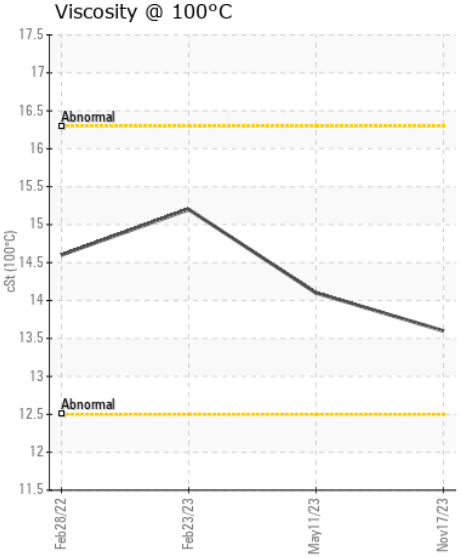
Ferrous Alloys



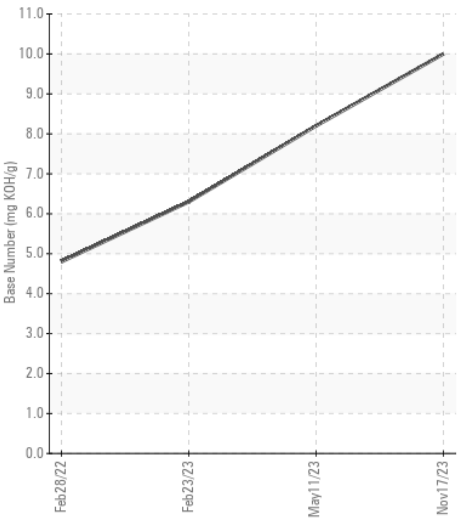
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: IL06063986	**Recieved**	: 18 Jan 2024
Lab Number	: 06063986	**Diagnosed**	: 19 Jan 2024
Unique Number	: 10835368	**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)

RUSH TRUCK CENTER - CHICAGO IDEALEASE
4655 SOUTH CENTRAL AVENUE
CHICAGO, IL
US 60638
Contact: MIKE LINLEY
linleym@rushtruckcenters.com
T: (708)496-7500
F: (708)496-8818