IDEALEASE FLEET

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
16827
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER 15W40 (--- GAL)

RECOMMENDATION

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

WEAR

Metal levels are typical for a new component breaking in.

CONTAMINATION

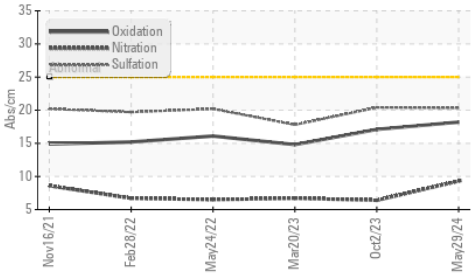
There is no indication of any contamination in the oil.

FLUID CONDITION

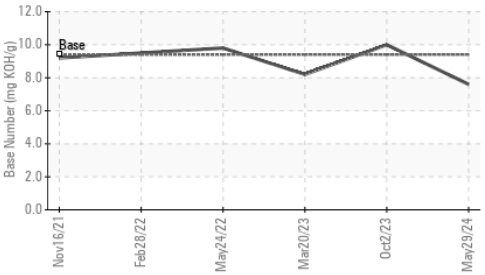
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**IL0033316**	IL0033328	IL0027121
Sample Date		Client Info		**29 May 2024**	02 Oct 2023	20 Mar 2023
Machine Age	mls	Client Info		**67262**	56576	51866
Oil Age	mls	Client Info		**10716**	4710	8562
Filter Age	mls	Client Info		**10716**	4710	8562
Oil Changed		Client Info		**Changed**	Changed	Changed
Filter Changed		Client Info		**Changed**	Changed	Changed
Sample Status				**NORMAL**	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>100	**19**	20	16
Chromium	ppm	ASTM D5185m	>20	**<1**	<1	<1
Nickel	ppm	ASTM D5185m	>4	**<1**	<1	<1
Titanium	ppm	ASTM D5185m		**<1**	0	0
Silver	ppm	ASTM D5185m	>3	**0**	<1	0
Aluminum	ppm	ASTM D5185m	>20	**13**	7	16
Lead	ppm	ASTM D5185m	>40	**0**	<1	0
Copper	ppm	ASTM D5185m	>330	**<1**	1	<1
Tin	ppm	ASTM D5185m	>15	**<1**	0	<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	**7**	8	5
Potassium	ppm	ASTM D5185m	>20	**20**	16	33
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	**0.4**	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	**9.3**	6.4	6.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	**20.3**	20.4	17.8
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**	0	2
Boron	ppm	ASTM D5185m	0	**77**	50	34
Barium	ppm	ASTM D5185m	0	**0**	4	0
Molybdenum	ppm	ASTM D5185m	0	**88**	39	44
Manganese	ppm	ASTM D5185m		**0**	<1	1
Magnesium	ppm	ASTM D5185m	0	**601**	626	791
Calcium	ppm	ASTM D5185m		**1377**	1398	1288
Phosphorus	ppm	ASTM D5185m		**662**	867	903
Zinc	ppm	ASTM D5185m		**878**	948	1085
Sulfur	ppm	ASTM D5185m		**2987**	2810	3537
Oxidation	Abs/.1mm	*ASTM D7414	>25	**18.2**	17.1	14.8
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	**7.6**	10.0	8.2
Visc @ 100°C	cSt	ASTM D445	14	**12.9**	13.2	12.8

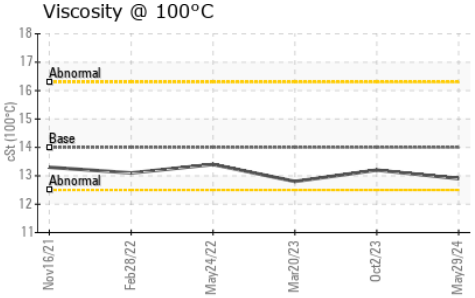
FT-IR (Direct Trend)



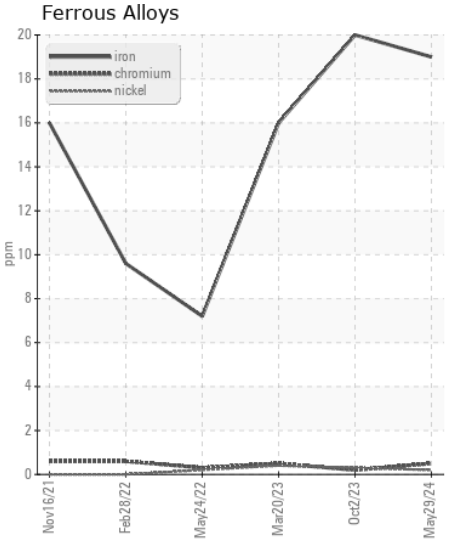
Base Number



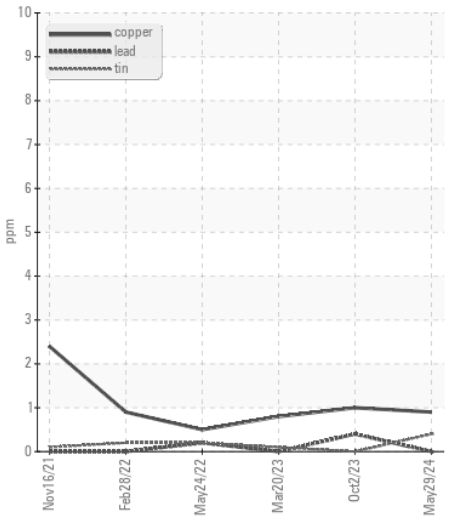
Viscosity @ 100°C



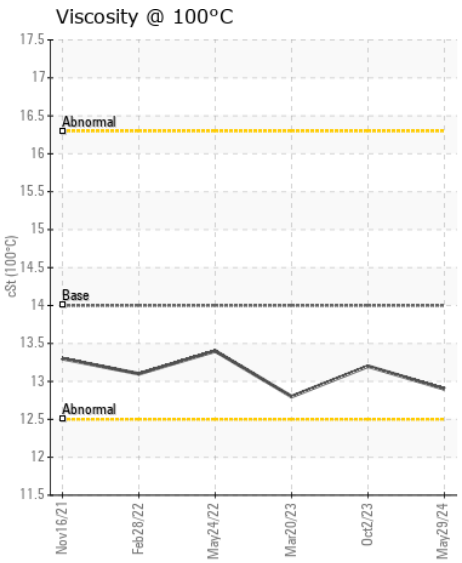
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



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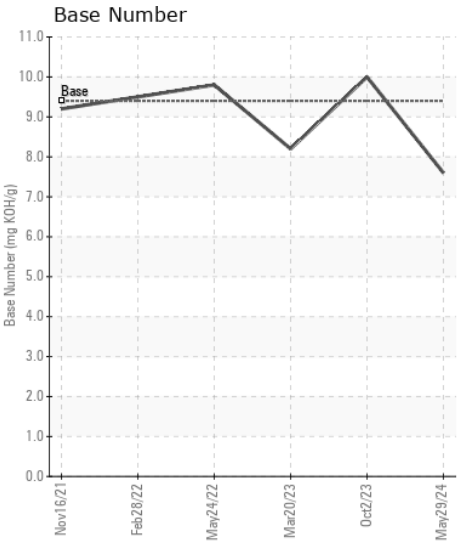

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : IL0033316
Lab Number : 06209859
Unique Number : 11082723
Test Package : FLEET

Received : 14 Jun 2024
Tested : 15 Jun 2024
Diagnosed : 15 Jun 2024 - 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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