OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area
(408588)
Machine Id
91105
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER15W40 (10 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

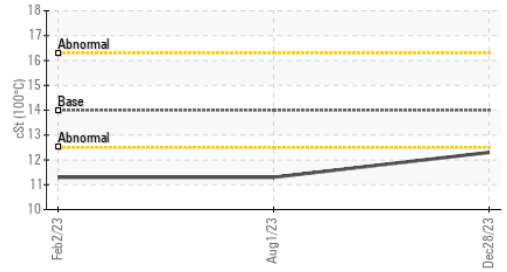
There is no indication of any contamination in the oil.

FLUID CONDITION

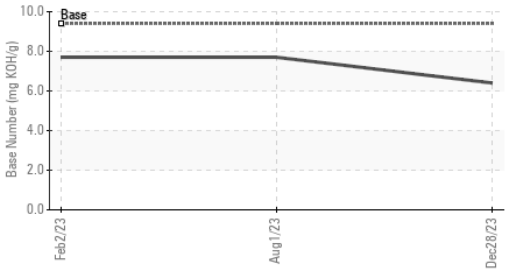
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		SBP0005570	SBP0002007	SBP0002572
Sample Date		Client Info		28 Dec 2023	01 Aug 2023	02 Feb 2023
Machine Age	mls	Client Info		102479	79228	58995
Oil Age	mls	Client Info		20000	20273	58995
Filter Age	mls	Client Info		20000	20273	58995
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	NORMAL	ATTENTION
Iron	ppm	ASTM D5185m	>80	17	20	29
Chromium	ppm	ASTM D5185m	>5	<1	1	1
Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Titanium	ppm	ASTM D5185m		67	<1	<1
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>30	4	5	13
Lead	ppm	ASTM D5185m	>30	0	<1	0
Copper	ppm	ASTM D5185m	>150	38	84	80
Tin	ppm	ASTM D5185m	>5	1	5	5
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	5	3	5
Potassium	ppm	ASTM D5185m	>20	9	12	29
Fuel	%	ASTM D3524	>5	<1.0	0.2	0.2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.5	0.4	0.5
Nitration	Abs/cm	*ASTM D7624	>20	8.9	8.3	9.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.3	20.6	20.8
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		3	2	2
Boron	ppm	ASTM D5185m	0	36	<1	7
Barium	ppm	ASTM D5185m	0	0	0	2
Molybdenum	ppm	ASTM D5185m	0	15	61	56
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m	0	539	1014	829
Calcium	ppm	ASTM D5185m		1676	1157	1225
Phosphorus	ppm	ASTM D5185m		981	979	893
Zinc	ppm	ASTM D5185m		1214	1270	1136
Sulfur	ppm	ASTM D5185m		3391	2981	2330
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.7	16.8	17.5
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	6.4	7.7	7.7
Visc @ 100°C	cSt	ASTM D445	14	▲ 12.3	11.3	▲ 11.3

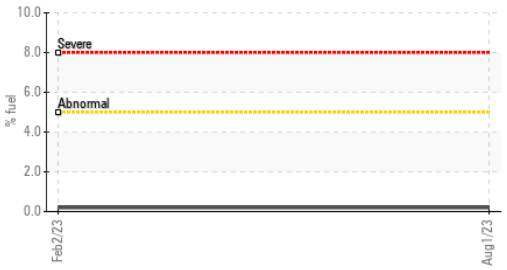
Viscosity @ 100°C



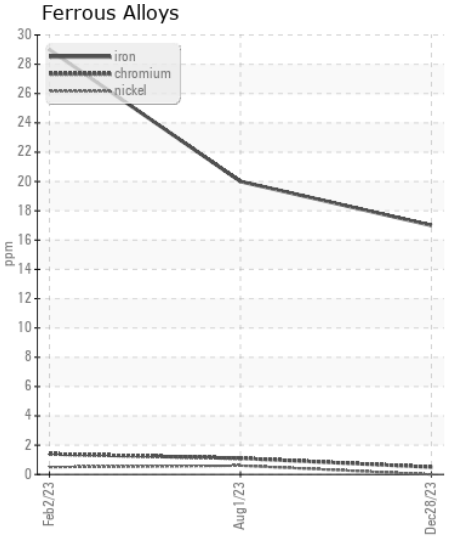
Base Number



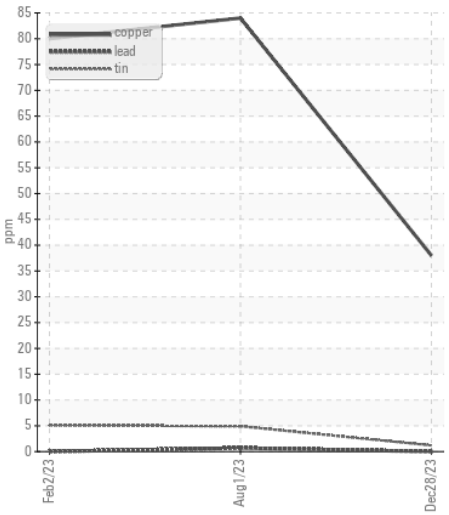
Fuel Dilution



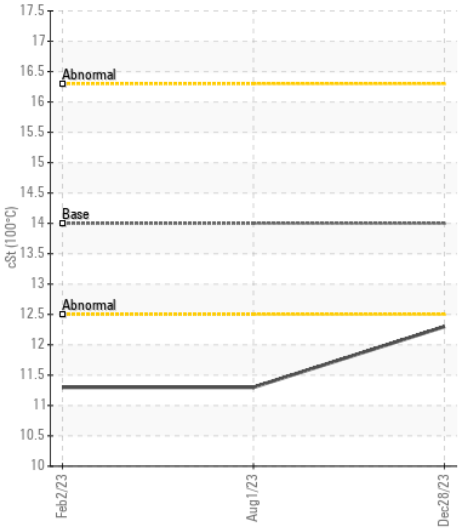
Ferrous Alloys



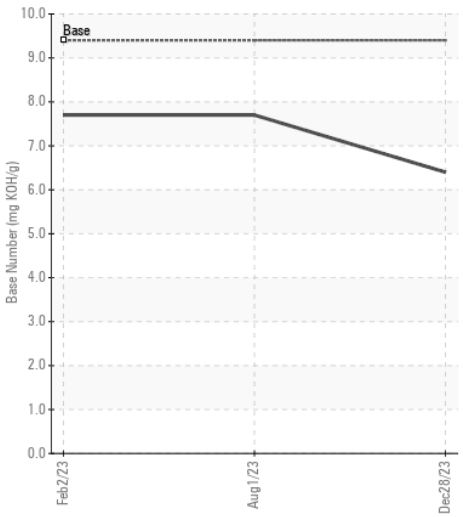
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : SBP0005570
Lab Number : 06063474
Unique Number : 10834856
Test Package : FLEET (Additional Tests: FuelDilution)

Recieved : 17 Jan 2024
Diagnosed : 19 Jan 2024
Diagnostician : 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)

Sapp Bros. Fleet - Lincoln Location

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US
Contact: Service Manager

T:
F: