CONST

WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area
Mobile Fleet
Machine Id
6436 6436
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER 10W30 (10 GAL)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

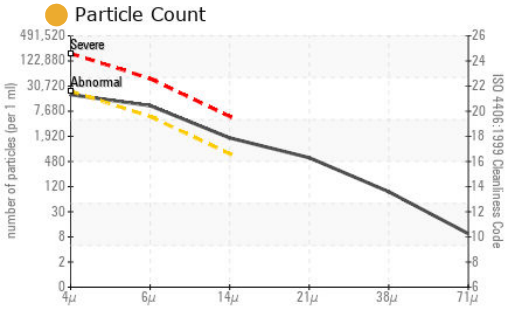
CONTAMINATION

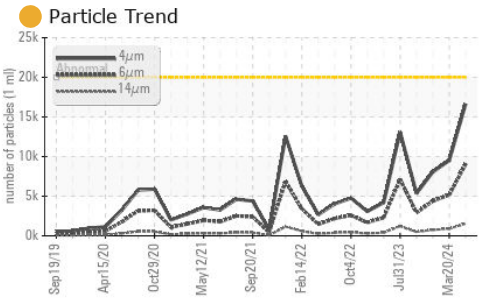
There is a moderate amount of particulates present in the oil.

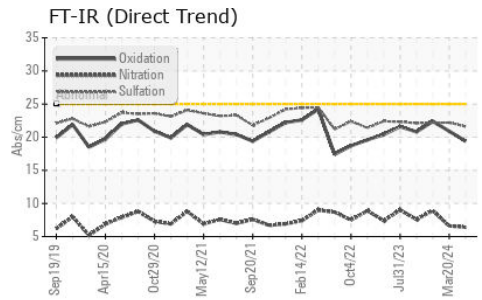
FLUID CONDITION

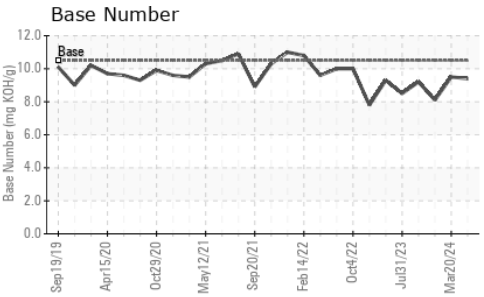
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

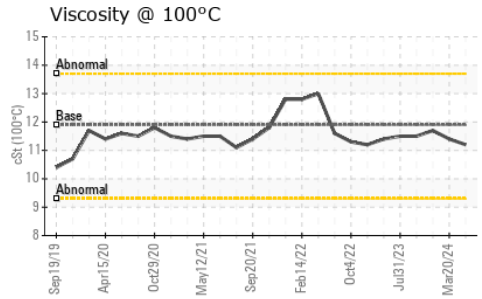
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0939347	WC0918597	WC0861585
Sample Date		Client Info		08 May 2024	20 Mar 2024	19 Dec 2023
Machine Age	hrs	Client Info		8888	8607	8190
Oil Age	hrs	Client Info		286	407	310
Filter Age	hrs	Client Info		286	407	310
Oil Changed		Client Info		Not Changd	Changed	Changed
Filter Changed		Client Info		Not Changd	Changed	Changed
Sample Status				ATTENTION	ATTENTION	ATTENTION
Iron	ppm	ASTM D5185m	>65	5	8	20
Chromium	ppm	ASTM D5185m	>5	<1	<1	2
Nickel	ppm	ASTM D5185m	>3	<1	<1	<1
Titanium	ppm	ASTM D5185m	>5	<1	2	<1
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>35	2	2	6
Lead	ppm	ASTM D5185m	>10	<1	1	<1
Copper	ppm	ASTM D5185m	>180	10	12	17
Tin	ppm	ASTM D5185m	>8	1	2	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	>15	7	8	10
Potassium	ppm	ASTM D5185m	>20	3	3	7
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.2	0.2	0.5
Nitration	Abs/cm	*ASTM D7624	>20	6.4	6.6	8.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.6	22.2	22.2
Particles >4µm		ASTM D7647	>20000	16625	9500	8065
Particles >6µm		ASTM D7647	>5000	9057	5175	4393
Particles >14µm		ASTM D7647	>640	1541	881	748
Particles >21µm		ASTM D7647	>160	519	297	252
Particles >38µm		ASTM D7647	>40	80	46	39
Particles >71µm		ASTM D7647	>10	8	5	4
Oil Cleanliness		ISO 4406 (c)	>21/19/16	21/20/18	20/20/17	20/19/17
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		0	<1	4
Boron	ppm	ASTM D5185m		63	55	34
Barium	ppm	ASTM D5185m		2	1	0
Molybdenum	ppm	ASTM D5185m		53	44	47
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m		509	481	571
Calcium	ppm	ASTM D5185m		1687	1673	1840
Phosphorus	ppm	ASTM D5185m		778	782	810
Zinc	ppm	ASTM D5185m		915	904	1030
Sulfur	ppm	ASTM D5185m		2646	2559	2337
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.4	20.9	22.4
Base Number (BN)	mg KOH/g	ASTM D2896	10.5	9.4	9.5	8.1
Visc @ 100°C	cSt	ASTM D445	11.9	11.2	11.4	11.7

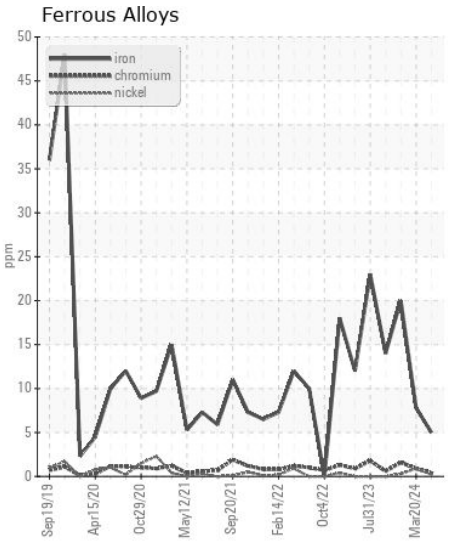


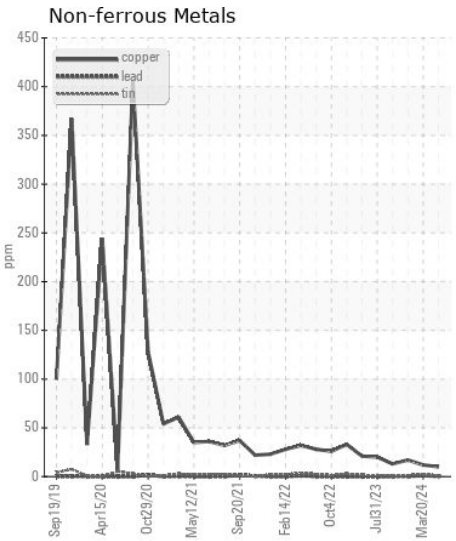


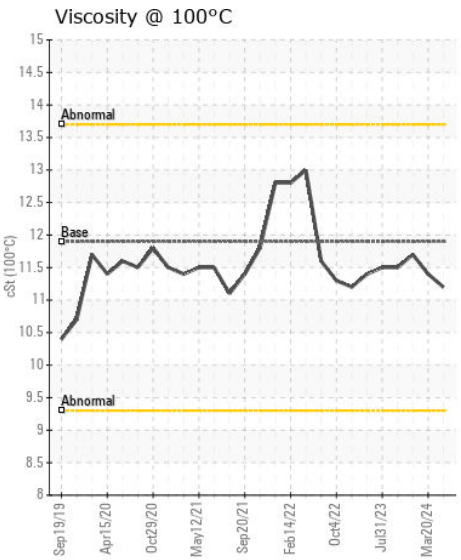


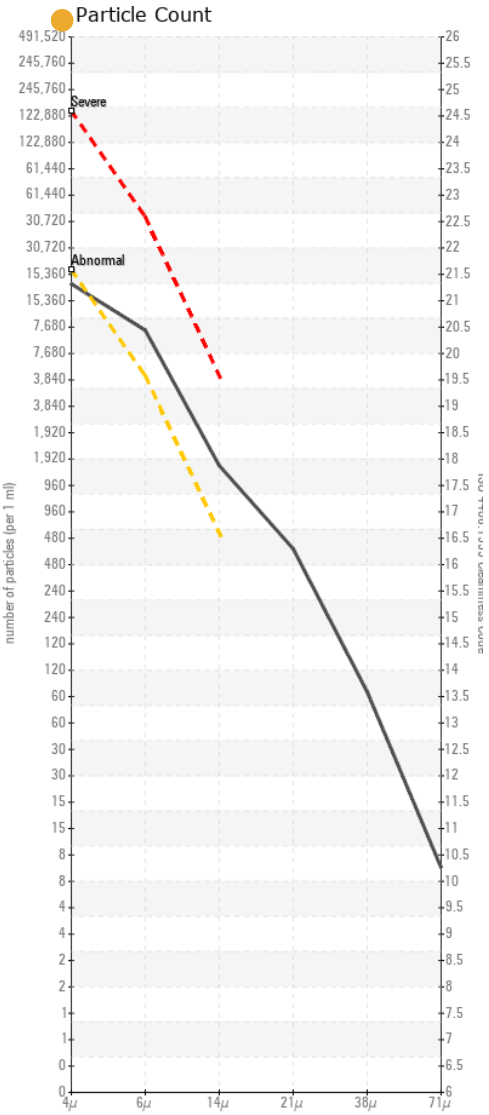


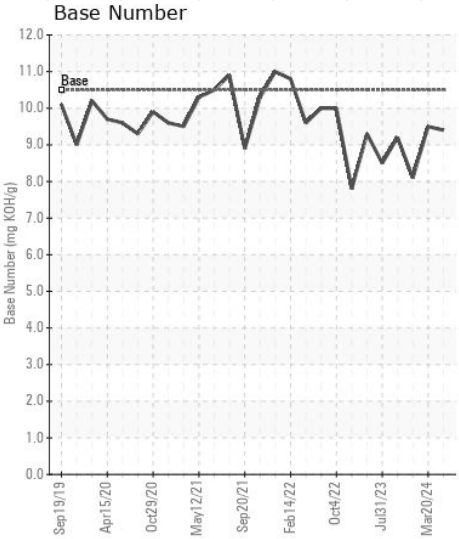












Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0939347 **Received** : 10 May 2024
Lab Number : 06176638 **Tested** : 15 May 2024
Unique Number : 11022691 **Diagnosed** : 15 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: PrtCount, TBN)

Certificate L2367

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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