TRAAP
Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
DRESSER 530 DRESSER 530
Component
Diesel Engine
Fluid
TRC MOLY XL PROSPEC III 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

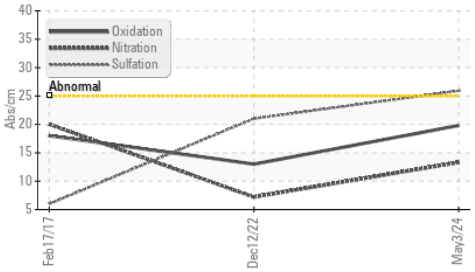
There is no indication of any contamination in the oil.

FLUID CONDITION

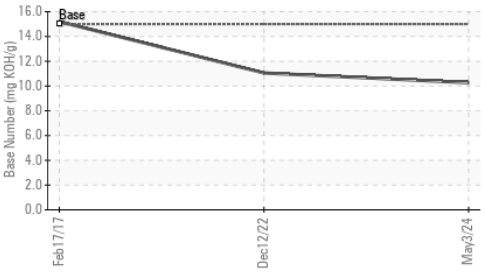
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06177907	TR05721522	TR04171904
Sample Date		Client Info		03 May 2024	12 Dec 2022	17 Feb 2017
Machine Age	hrs	Client Info		0	15307	14421
Oil Age	hrs	Client Info		1041	761	1115
Filter Age	hrs	Client Info		1041	761	1115
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	SEVERE
Iron	ppm	ASTM D5185m	>100	61	63	57
Chromium	ppm	ASTM D5185m	>20	3	4	6
Nickel	ppm	ASTM D5185m	>4	2	2	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	8	7	9
Lead	ppm	ASTM D5185m	>40	3	4	28
Copper	ppm	ASTM D5185m	>330	125	203	▲ 385
Tin	ppm	ASTM D5185m	>15	4	4	6
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	10	12	▲ 66
Potassium	ppm	ASTM D5185m	>20	<1	2	▲ 1097
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	▲ 0.12
Soot %	%	*ASTM D7844	>3	0.7	0.4	0.2
Nitration	Abs/cm	*ASTM D7624	>20	13.3	7.2	20.
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.9	21.0	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		4	5	▲ 1244
Boron	ppm	ASTM D5185m		174	169	360
Barium	ppm	ASTM D5185m		2	0	<1
Molybdenum	ppm	ASTM D5185m		220	210	252
Manganese	ppm	ASTM D5185m		1	1	2
Magnesium	ppm	ASTM D5185m		417	438	482
Calcium	ppm	ASTM D5185m	4500	3843	4071	3861
Phosphorus	ppm	ASTM D5185m		895	927	1276
Zinc	ppm	ASTM D5185m	1400	1008	1017	999
Sulfur	ppm	ASTM D5185m		3933	4464	1457
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.8	13.0	18.
Base Number (BN)	mg KOH/g	ASTM D2896	15	10.27	11.05	15.2
Visc @ 100°C	cSt	ASTM D445	15.5	14.2	13.6	● 24.66

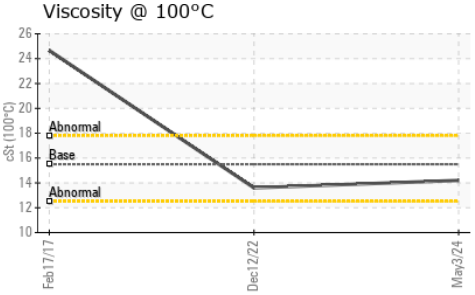
FT-IR (Direct Trend)



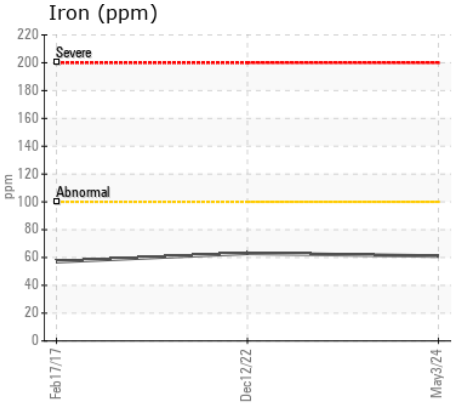
Base Number



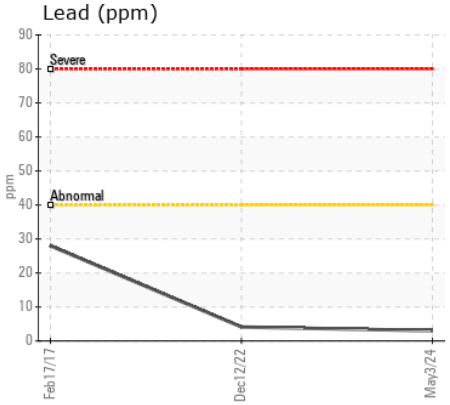
Viscosity @ 100°C



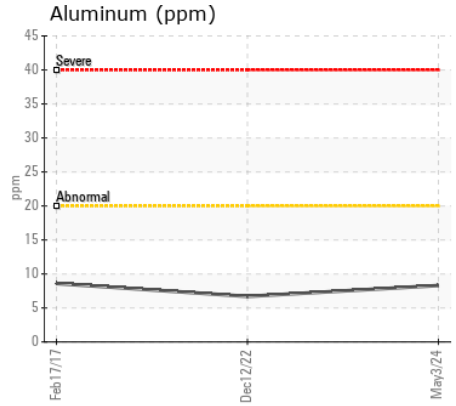
Iron (ppm)



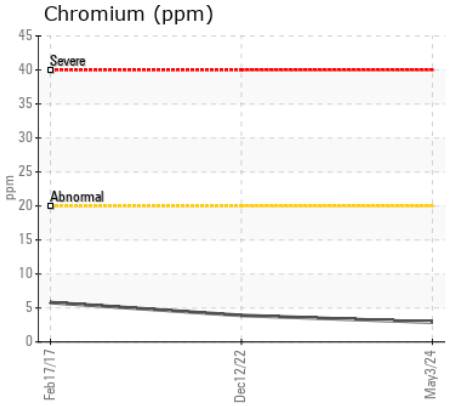
Lead (ppm)



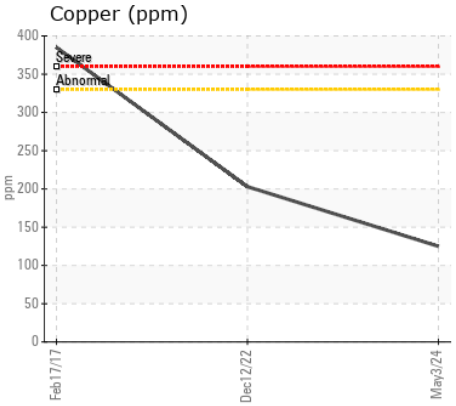
Aluminum (ppm)



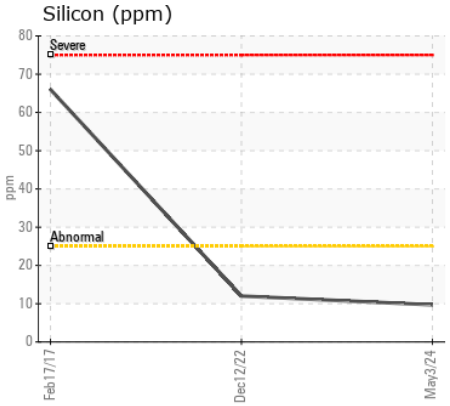
Chromium (ppm)



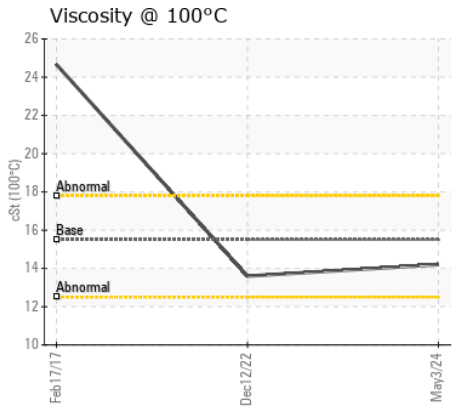
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



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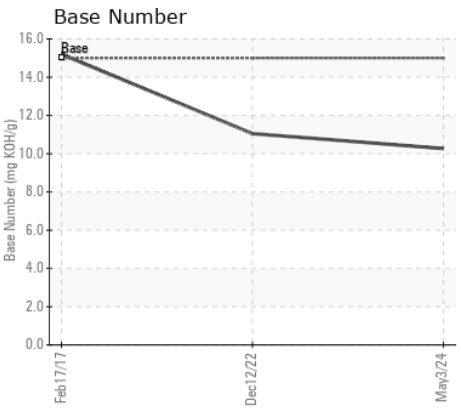

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR06177907
Lab Number : 06177907
Unique Number : 11029233
Test Package : MOB 2

Received : 13 May 2024
Tested : 14 May 2024
Diagnosed : 14 May 2024 - Wes Davis

To discuss this sample report, contact Customer Service at 1-800-827-0711.
** - 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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