TRAAP
Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
GMC 1 GMC
Component
Gasoline Engine
Fluid
TRC MOLY XL PROSPEC III 10W30 (6 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

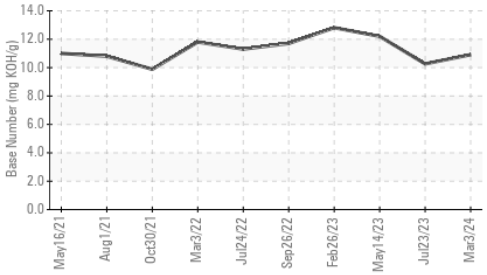
There is no indication of any contamination in the oil.

FLUID CONDITION

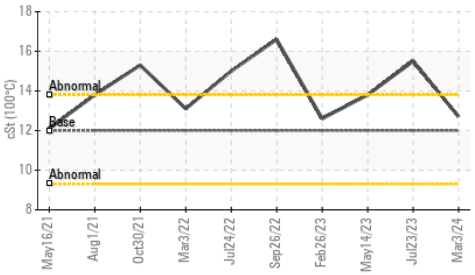
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06121753	TR05910629	TR05854050
Sample Date		Client Info		03 Mar 2024	23 Jul 2023	14 May 2023
Machine Age	mls	Client Info		336000	322710	315654
Oil Age	mls	Client Info		13290	21876	14820
Filter Age	mls	Client Info		13290	7056	7749
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>150	32	45	41
Chromium	ppm	ASTM D5185m	>20	1	1	1
Nickel	ppm	ASTM D5185m	>5	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>40	10	11	8
Lead	ppm	ASTM D5185m	>50	0	<1	0
Copper	ppm	ASTM D5185m	>155	11	16	16
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>30	18	27	22
Potassium	ppm	ASTM D5185m	>20	3	3	3
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	17.7	23.5	20.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	30.4	38.8	34.8
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	>400	6	8	6
Boron	ppm	ASTM D5185m		69	54	67
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		183	201	207
Manganese	ppm	ASTM D5185m		5	7	4
Magnesium	ppm	ASTM D5185m		383	476	428
Calcium	ppm	ASTM D5185m		3988	4778	4547
Phosphorus	ppm	ASTM D5185m		779	839	828
Zinc	ppm	ASTM D5185m		950	1114	1043
Sulfur	ppm	ASTM D5185m		3706	4714	4170
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.6	37.8	30.4
Base Number (BN)	mg KOH/g	ASTM D2896		10.91	10.26	12.20
Visc @ 100°C	cSt	ASTM D445	12.0	12.7	15.5	13.8

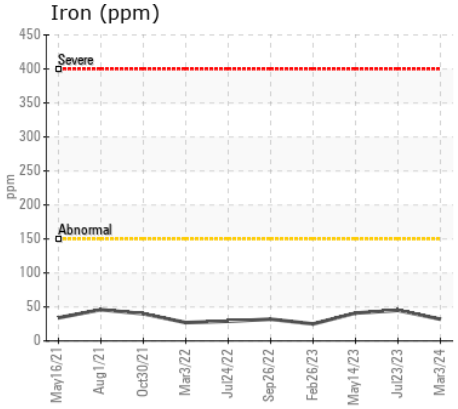
Base Number



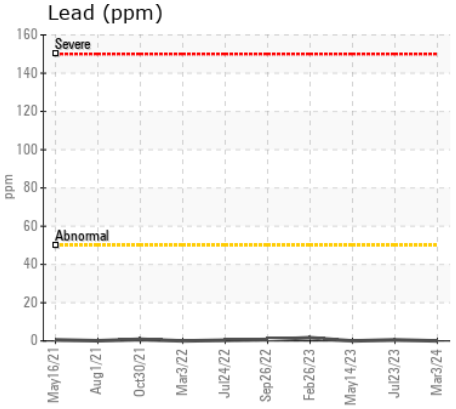
Viscosity @ 100°C



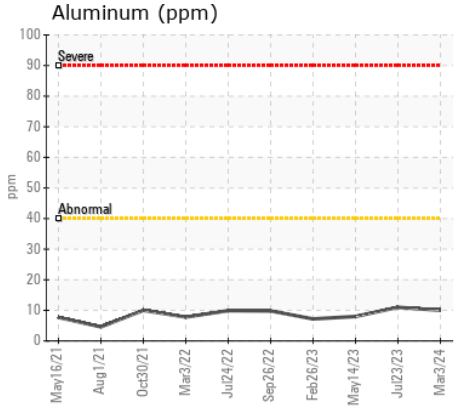
Iron (ppm)



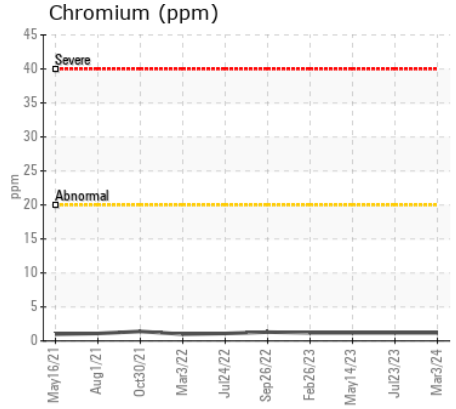
Lead (ppm)



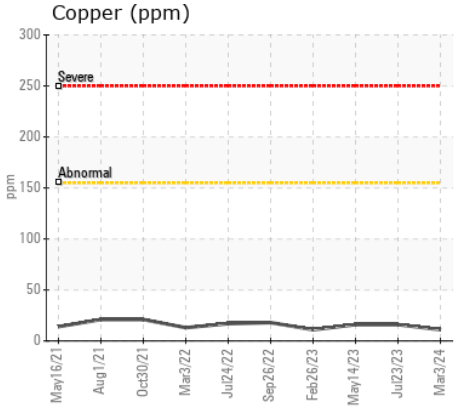
Aluminum (ppm)



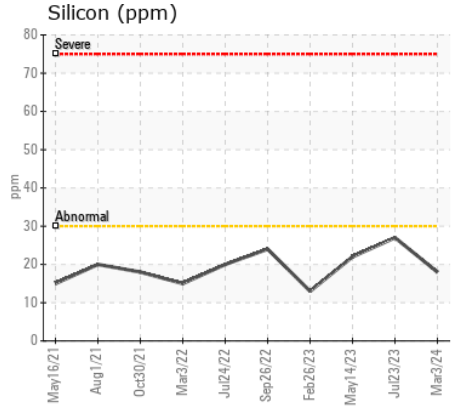
Chromium (ppm)



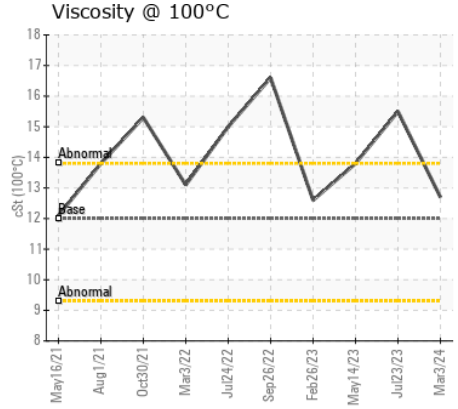
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



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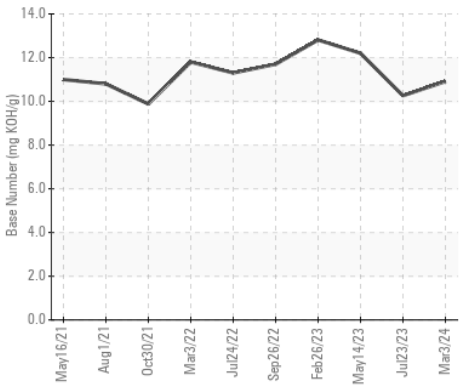

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR06121753
Lab Number : 06121753
Unique Number : 10930586
Test Package : MOB 2

Received : 18 Mar 2024
Tested : 19 Mar 2024
Diagnosed : 21 Mar 2024 - Sean Felton

RODNEY KENNEDY
1330 SETTLERS COURT
WHITE HALL, AR
US 71602
Contact: Service Manager

Certificate L2367

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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