



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
DODGE RC116
 Component
Gasoline Engine
 Fluid
TRC PRO-SPEC SYNTHETIC 5W20 (6 LTR)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
 Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

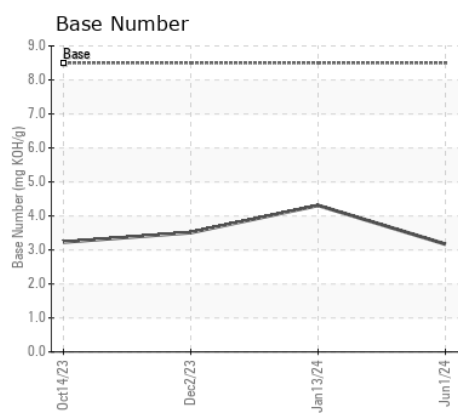
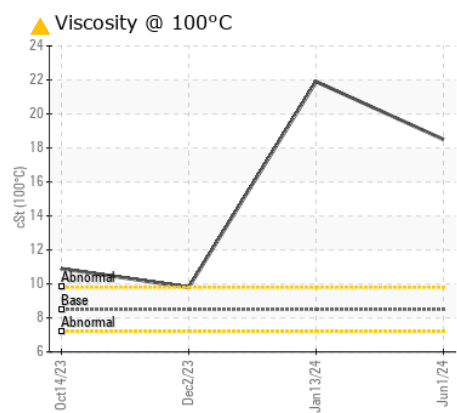
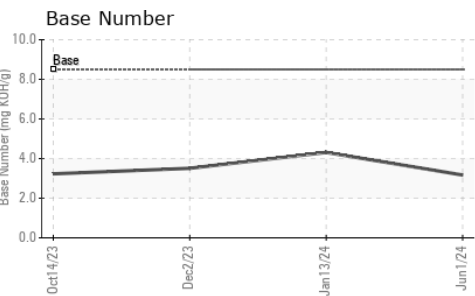
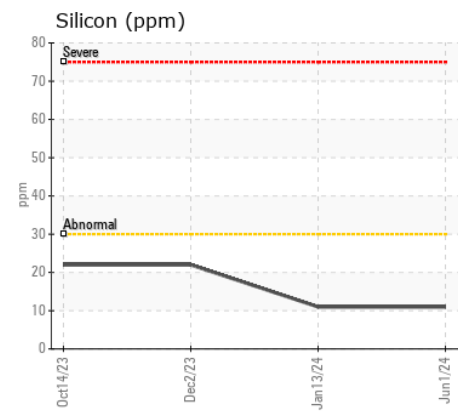
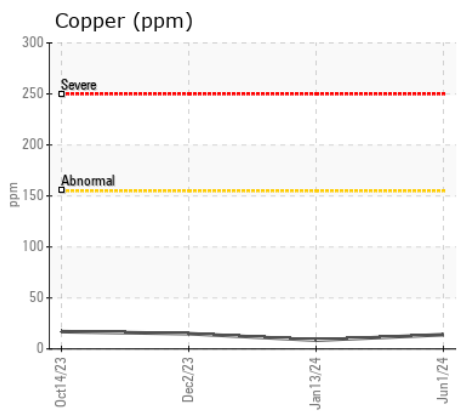
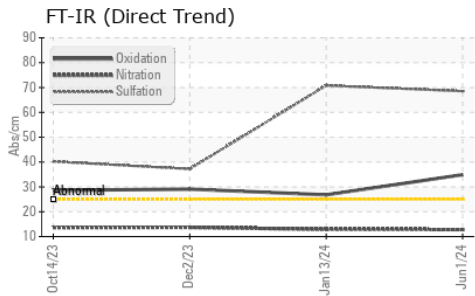
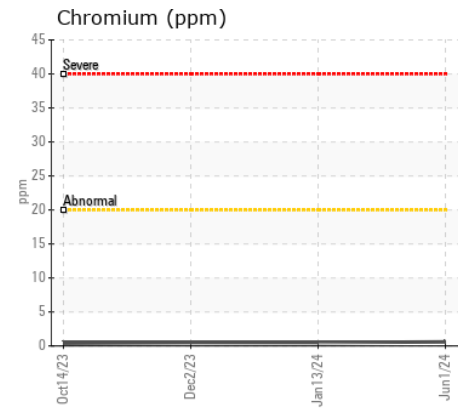
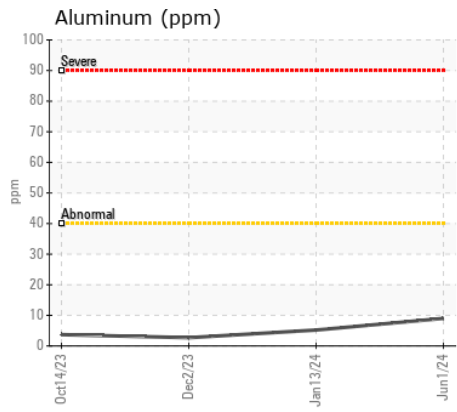
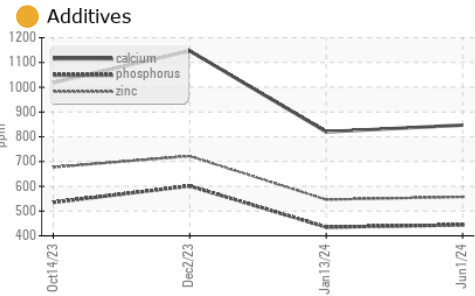
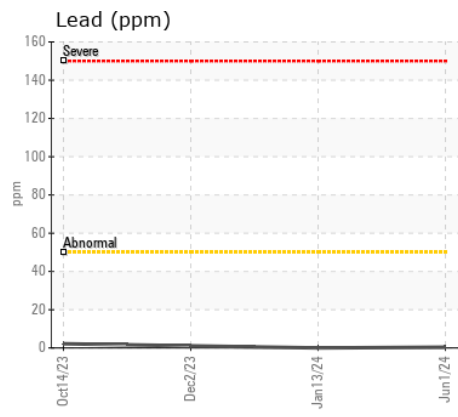
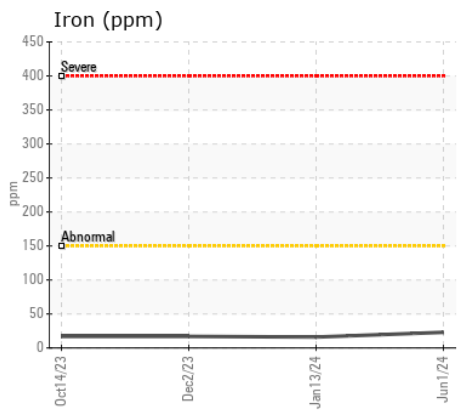
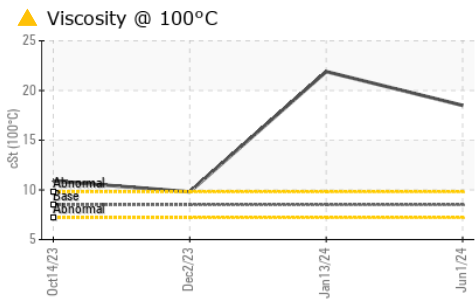
CONTAMINATION

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. Viscosity of sample indicates oil is within SAE 50 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR02644730	TR02627287	TR02602241
Sample Date		Client Info		01 Jun 2024	13 Jan 2024	02 Dec 2023
Machine Age	hrs	Client Info		173952	147857	124279
Oil Age	hrs	Client Info		26095	23578	24515
Filter Age	hrs	Client Info		26095	23578	24515
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>150	23	16	17
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>40	9	5	3
Lead	ppm	ASTM D5185(m)	>50	<1	0	1
Copper	ppm	ASTM D5185(m)	>155	14	9	15
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Silicon	ppm	ASTM D5185(m)	>30	11	11	22
Potassium	ppm	ASTM D5185(m)	>20	1	<1	<1
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	0	0
Nitration	Abs/cm	ASTM D7624*	>20	12.8	12.9	13.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	68.5	70.8	37.2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)	>400	4	2	2
Boron	ppm	ASTM D5185(m)		35	27	27
Barium	ppm	ASTM D5185(m)		0	0	<1
Molybdenum	ppm	ASTM D5185(m)	400	54	54	91
Manganese	ppm	ASTM D5185(m)		2	0	2
Magnesium	ppm	ASTM D5185(m)	600	365	354	458
Calcium	ppm	ASTM D5185(m)	1500	847	820	1147
Phosphorus	ppm	ASTM D5185(m)	800	444	435	601
Zinc	ppm	ASTM D5185(m)	900	557	546	722
Sulfur	ppm	ASTM D5185(m)		1731	1584	1995
Oxidation	Abs/.1mm	ASTM D7414*	>25	34.9	26.8	29.1
Base Number (BN)	mg KOH/g	ASTM D2896*	8.5	3.17	4.31	3.51
Visc @ 100°C	cSt	ASTM D7279(m)	8.5	18.5	21.9	9.8



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : TR02644730 **Received** : 28 Jun 2024
Lab Number : 02644730 **Tested** : 28 Jun 2024
Unique Number : 5802269 **Diagnosed** : 02 Jul 2024 - Kevin Marson
Test Package : MOB 2

WILCO CONTRACTORS
 3031 ARTHUR ST
 ROSSLYN, ON
 CA P7K 0P2
 Contact: Henry

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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