TRAAP
Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
HONDA 1452-08
Component
Front Gasoline Engine
Fluid
TRC PRO-SPEC SYNTHETIC 5W20 (5 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

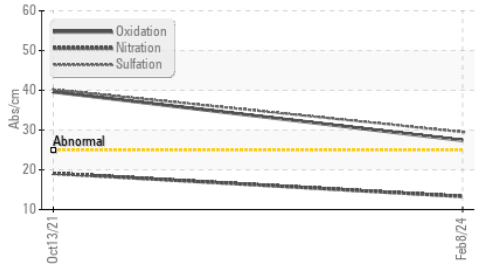
There is no indication of any contamination in the oil.

FLUID CONDITION

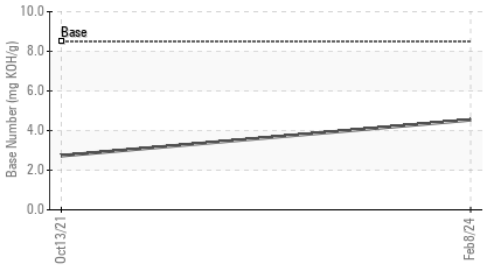
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR02627284	TR02457933	---
Sample Date		Client Info		08 Feb 2024	13 Oct 2021	---
Machine Age	kms	Client Info		211097	189219	---
Oil Age	kms	Client Info		21878	0	---
Filter Age	kms	Client Info		21878	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185(m)	>150	70	105	---
Chromium	ppm	ASTM D5185(m)	>20	1	2	---
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>2	0	0	---
Aluminum	ppm	ASTM D5185(m)	>40	12	21	---
Lead	ppm	ASTM D5185(m)	>50	13	3	---
Copper	ppm	ASTM D5185(m)	>155	6	8	---
Tin	ppm	ASTM D5185(m)	>10	0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	<1	---
Silicon	ppm	ASTM D5185(m)	>30	17	▲ 54	---
Potassium	ppm	ASTM D5185(m)	>20	2	1	---
Fuel		WC Method	>4.0	<1.0	▲ 3.2	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*		0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	13.3	19.1	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	29.5	40.2	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---
Sodium	ppm	ASTM D5185(m)	>400	3	4	---
Boron	ppm	ASTM D5185(m)		30	41	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)	400	117	70	---
Manganese	ppm	ASTM D5185(m)		<1	2	---
Magnesium	ppm	ASTM D5185(m)	600	416	13	---
Calcium	ppm	ASTM D5185(m)	1500	1361	2020	---
Phosphorus	ppm	ASTM D5185(m)	800	619	661	---
Zinc	ppm	ASTM D5185(m)	900	800	866	---
Sulfur	ppm	ASTM D5185(m)		1752	2379	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	27.4	39.6	---
Base Number (BN)	mg KOH/g	ASTM D2896*	8.5	4.54	2.73	---
Visc @ 100°C	cSt	ASTM D7279(m)	8.5	8.6	8.6	---

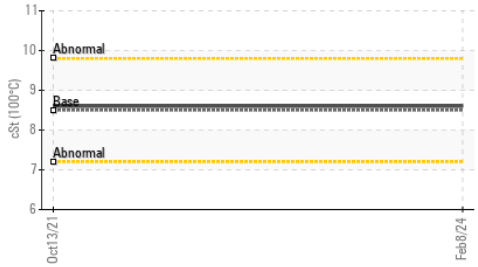
FT-IR (Direct Trend)



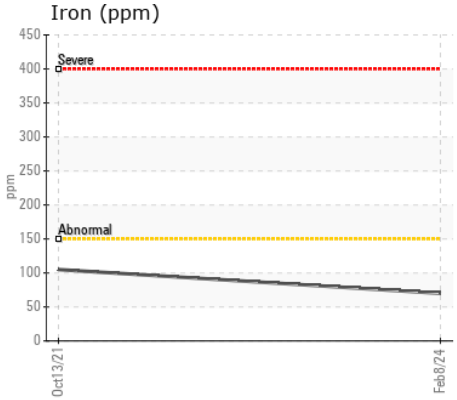
Base Number



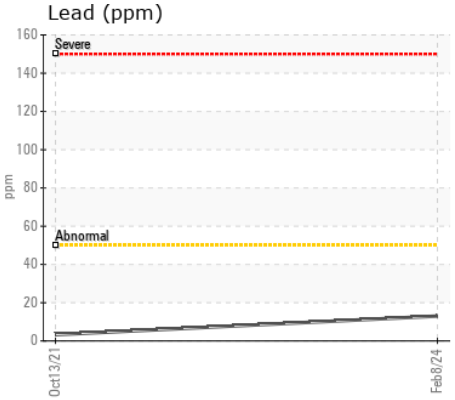
Viscosity @ 100°C



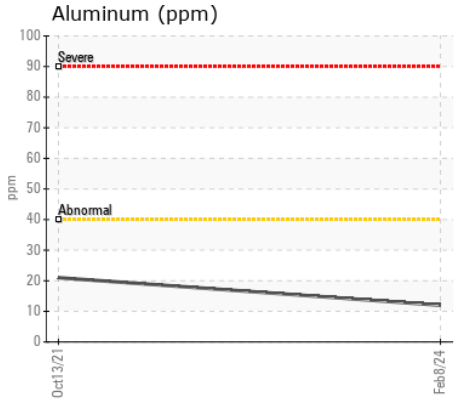
Iron (ppm)



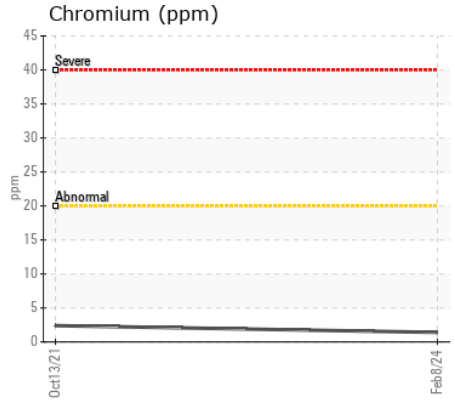
Lead (ppm)



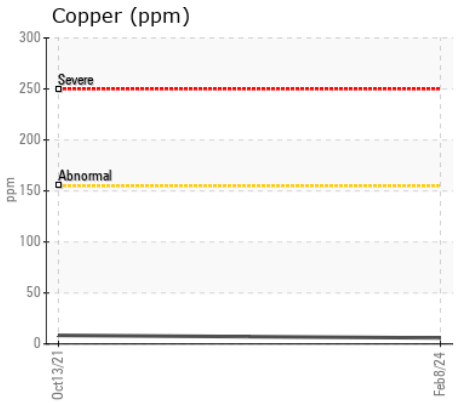
Aluminum (ppm)



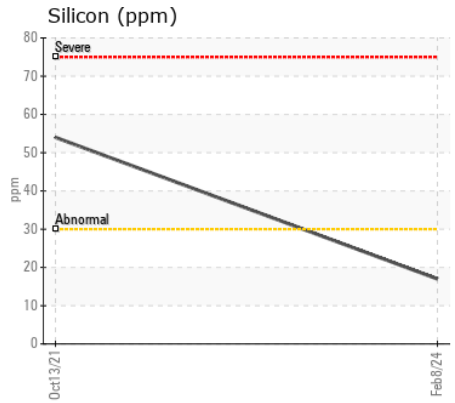
Chromium (ppm)



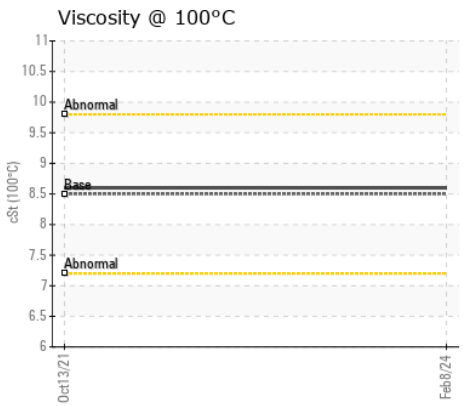
Copper (ppm)



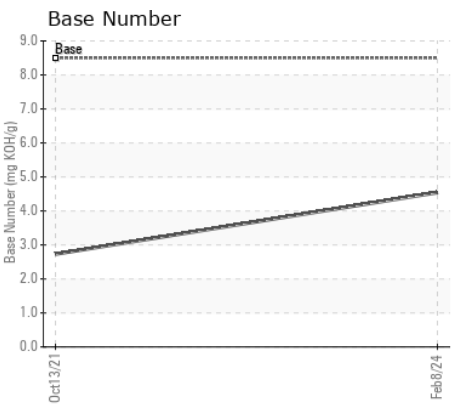
Silicon (ppm)



Viscosity @ 100°C



Base Number



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : TR02627284
Lab Number : 02627284
Unique Number : 5760416
Test Package : MOB 2

Received : 08 Apr 2024
Tested : 09 Apr 2024
Diagnosed : 09 Apr 2024 - Kevin Marson

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

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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