



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
KUBOTA SVL90-2 100

Component
Diesel Engine

Fluid
TRC MOLY XL PROSPEC III 15W40 (13 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR02606985	---	---
Sample Date		Client Info		19 Dec 2023	---	---
Machine Age	hrs	Client Info		2026	---	---
Oil Age	hrs	Client Info		141	---	---
Filter Age	hrs	Client Info		141	---	---
Oil Changed		Client Info		Not Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	23	---	---
Chromium	ppm	ASTM D5185(m)	>20	<1	---	---
Nickel	ppm	ASTM D5185(m)	>4	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>3	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	6	---	---
Lead	ppm	ASTM D5185(m)	>40	<1	---	---
Copper	ppm	ASTM D5185(m)	>330	7	---	---
Tin	ppm	ASTM D5185(m)	>15	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

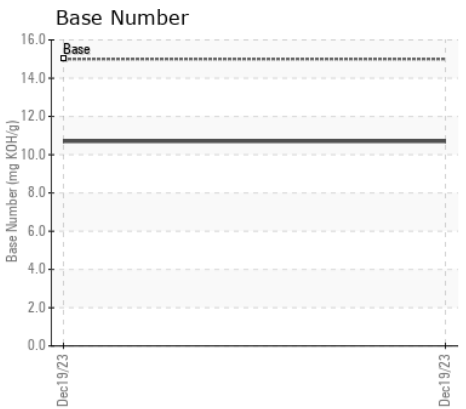
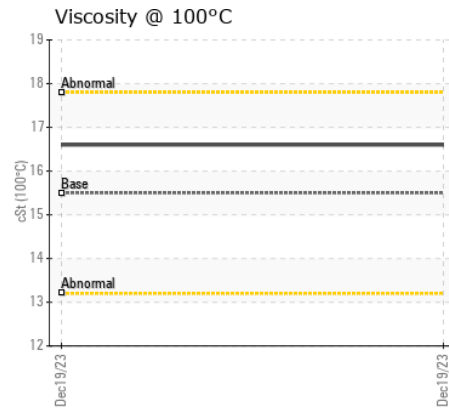
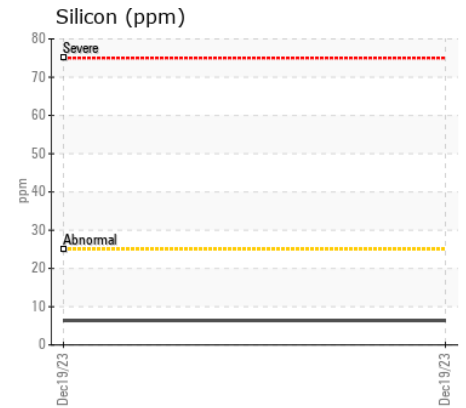
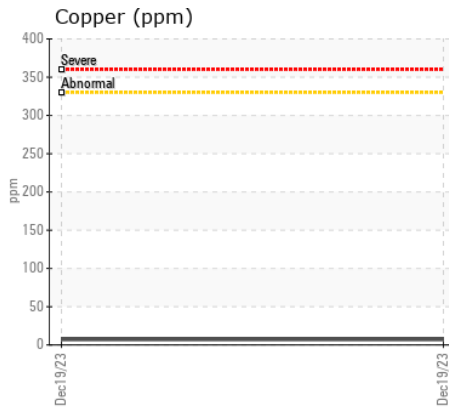
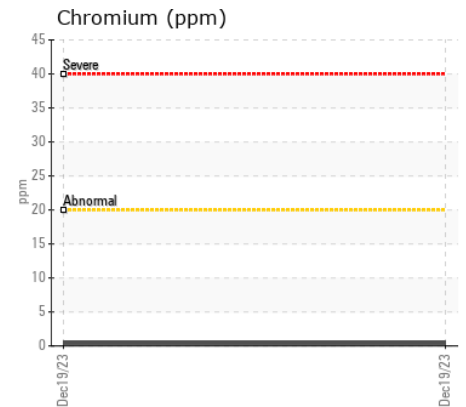
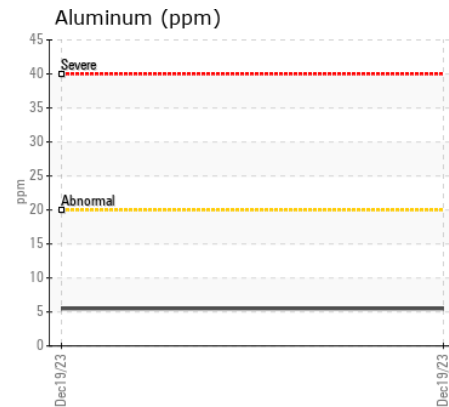
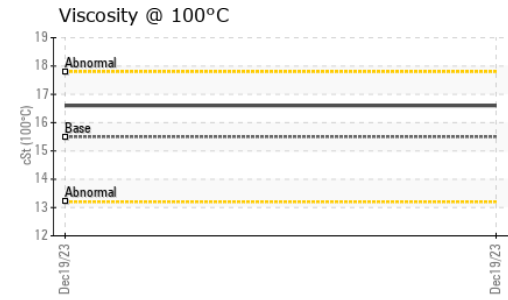
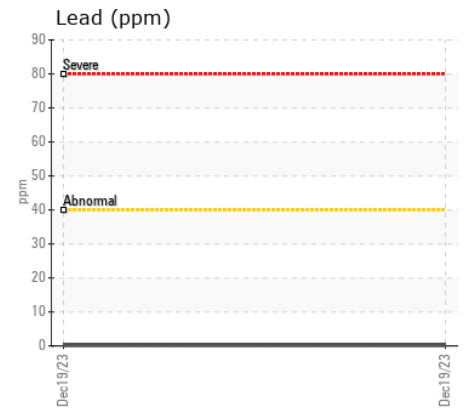
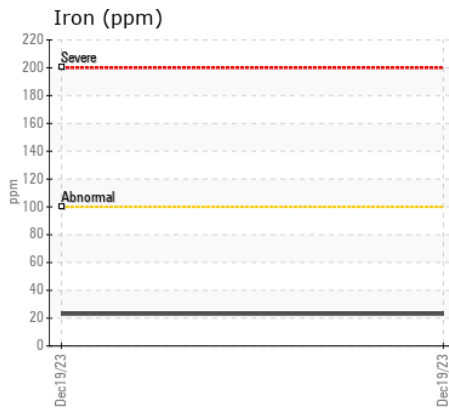
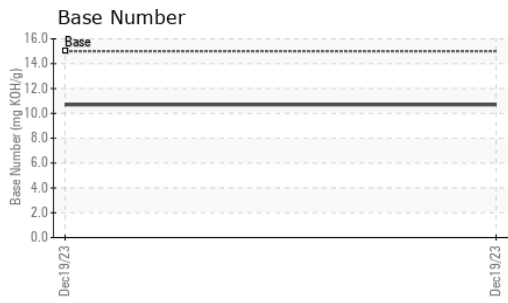
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	6	---	---
Potassium	ppm	ASTM D5185(m)	>20	2	---	---
Fuel		WC Method	>5	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>3	1.8	---	---
Nitration	Abs/cm	ASTM D7624*	>20	10.5	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.8	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

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.

Sodium	ppm	ASTM D5185(m)		3	---	---
Boron	ppm	ASTM D5185(m)		52	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		224	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		17	---	---
Calcium	ppm	ASTM D5185(m)	4500	2545	---	---
Phosphorus	ppm	ASTM D5185(m)		998	---	---
Zinc	ppm	ASTM D5185(m)	1400	1199	---	---
Sulfur	ppm	ASTM D5185(m)		3657	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.3	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*	15	10.70	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.5	16.6	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : TR02606985 **Received** : 08 Jan 2024
Lab Number : 02606985 **Diagnosed** : 09 Jan 2024
Unique Number : 5708071 **Diagnostician** : Wes Davis
Test Package : MOB 2

POLAR ENTERPRISE
 BOX 36, GRP 8
 HADASHVILLE, MB
 CA R0E 0X0
 Contact: Trevor Panych

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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