



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
TEREX T340 TC4511
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL 10W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		HPL0004997	HPL0002789	HPL0002214
Sample Date		Client Info		23 May 2024	05 May 2023	07 Feb 2023
Machine Age	hrs	Client Info		12950	12395	12051
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	43	14	29
Chromium	ppm	ASTM D5185m	>20	2	0	1
Nickel	ppm	ASTM D5185m	>4	0	0	1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	<1	0	<1
Aluminum	ppm	ASTM D5185m	>20	10	6	4
Lead	ppm	ASTM D5185m	>40	6	1	5
Copper	ppm	ASTM D5185m	>330	11	2	7
Tin	ppm	ASTM D5185m	>15	1	0	2
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

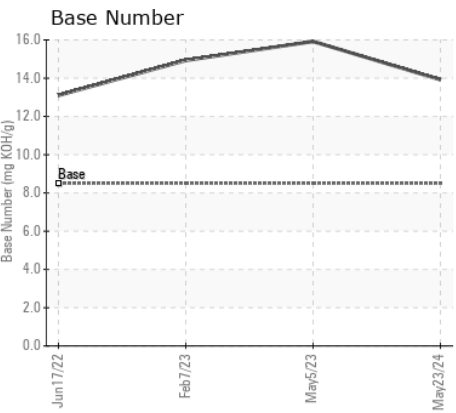
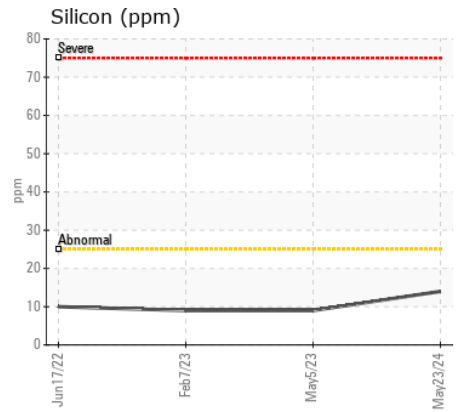
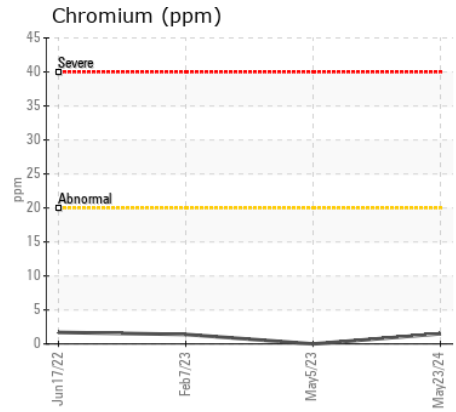
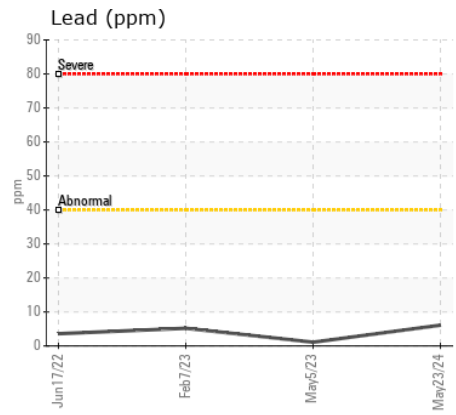
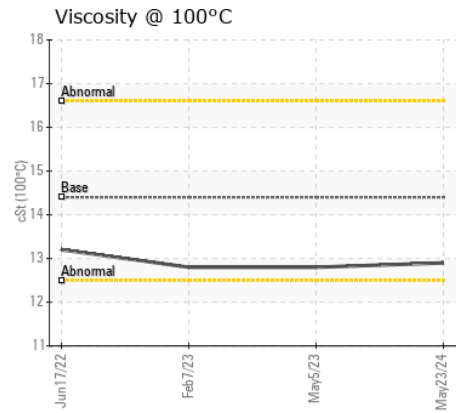
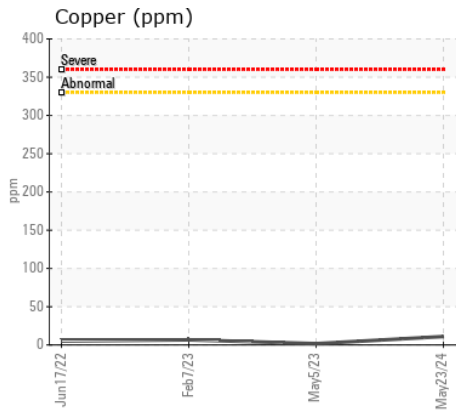
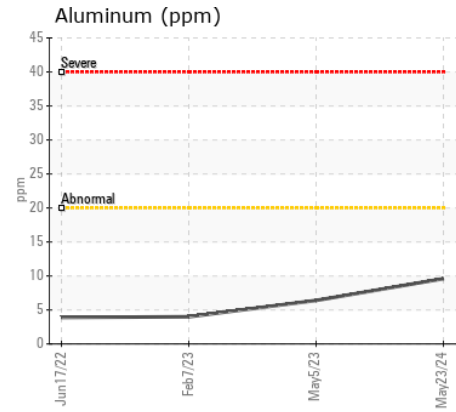
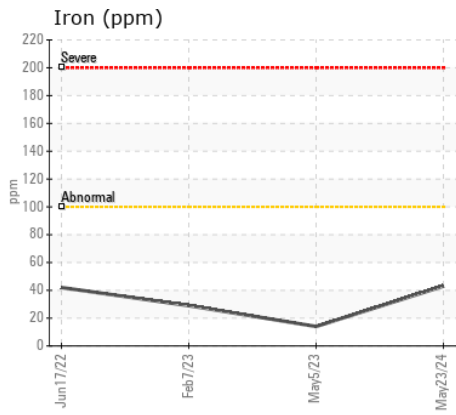
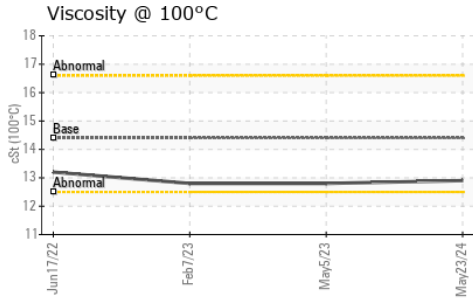
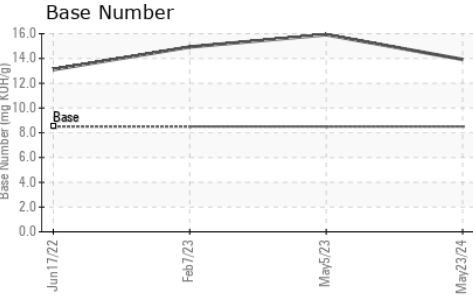
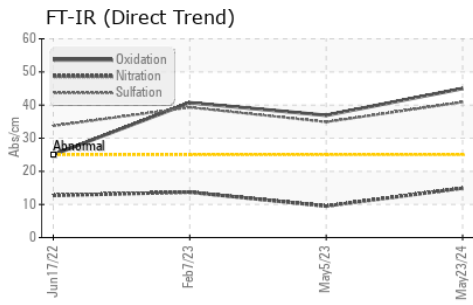
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	14	9	9
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.6	0.2	0.5
Nitration	Abs/cm	*ASTM D7624	>20	14.9	9.5	13.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	40.9	34.9	39.3
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

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 D5185m		2	1	2
Boron	ppm	ASTM D5185m	250	23	2	14
Barium	ppm	ASTM D5185m	10	2	0	<1
Molybdenum	ppm	ASTM D5185m	100	646	609	607
Manganese	ppm	ASTM D5185m		1	0	<1
Magnesium	ppm	ASTM D5185m	450	1085	1084	1021
Calcium	ppm	ASTM D5185m	3000	2858	2166	2968
Phosphorus	ppm	ASTM D5185m	1150	1196	1104	1069
Zinc	ppm	ASTM D5185m	1350	1402	1171	1385
Sulfur	ppm	ASTM D5185m	4250	8860	8149	10573
Oxidation	Abs/.1mm	*ASTM D7414	>25	45.0	36.9	40.7
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	13.92	15.92	14.93
Visc @ 100°C	cSt	ASTM D445	14.4	12.9	12.8	12.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : HPL0004997
Lab Number : 06195627
Unique Number : 11057750
Test Package : MOB 2

Received : 30 May 2024
Tested : 31 May 2024
Diagnosed : 01 Jun 2024 - Don Baldrige

STEVENS ON CRANE
 410 STEVENSON DR
 BOLINGBROOK, IL
 US 60440

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F:

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)