

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id

451349

Component

Transmission

Fluid

TRC SYNTEX 2000 GEAR OIL 50W (5 GAL)

DIAGNOSIS

Recommendation

The fluid change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

The copper level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION method limit/base current history1 history2

Sample Number	Client Info		TO50002389	---	---
Sample Date	Client Info		23 May 2024	---	---
Machine Age	hrs	Client Info	52	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			ABNORMAL	---	---

CONTAMINATION method limit/base current history1 history2

Water	WC Method	>0.1	NEG	---	---
-------	-----------	------	------------	-----	-----

WEAR METALS method limit/base current history1 history2

PQ		ASTM D8184		69	---	---
Iron	ppm	ASTM D5185m	>200	166	---	---
Chromium	ppm	ASTM D5185m	>10	2	---	---
Nickel	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>50	6	---	---
Lead	ppm	ASTM D5185m	>50	4	---	---
Copper	ppm	ASTM D5185m	>200	▲ 290	---	---
Tin	ppm	ASTM D5185m	>10	2	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
Cadmium	ppm	ASTM D5185m		0	---	---

ADDITIVES method limit/base current history1 history2

Boron	ppm	ASTM D5185m		284	---	---
Barium	ppm	ASTM D5185m		6	---	---
Molybdenum	ppm	ASTM D5185m		2	---	---
Manganese	ppm	ASTM D5185m		6	---	---
Magnesium	ppm	ASTM D5185m		5	---	---
Calcium	ppm	ASTM D5185m		93	---	---
Phosphorus	ppm	ASTM D5185m		1035	---	---
Zinc	ppm	ASTM D5185m		20	---	---
Sulfur	ppm	ASTM D5185m		631	---	---

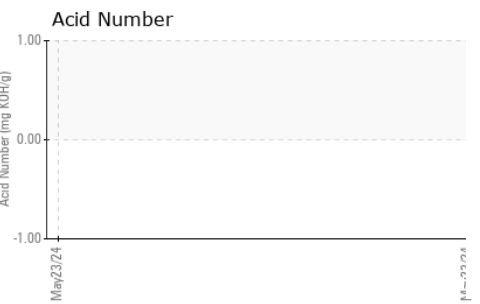
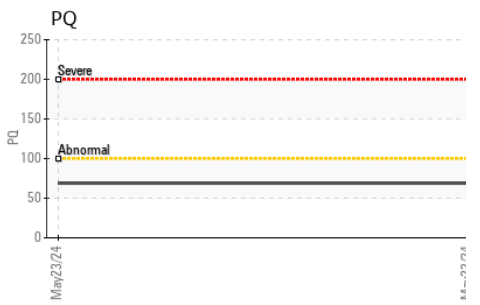
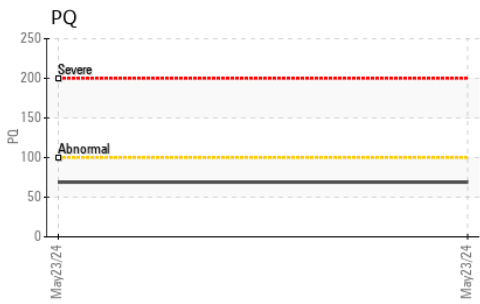
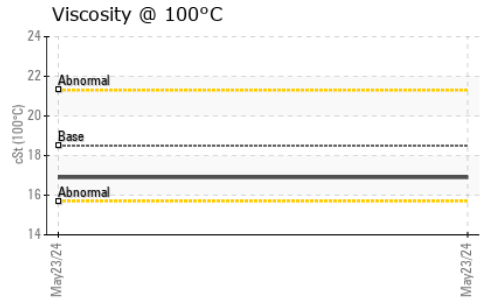
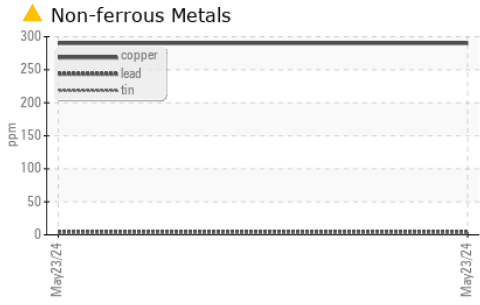
CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	>50	22	---	---
Sodium	ppm	ASTM D5185m		4	---	---
Potassium	ppm	ASTM D5185m	>20	8	---	---

VISUAL method limit/base current history1 history2

White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

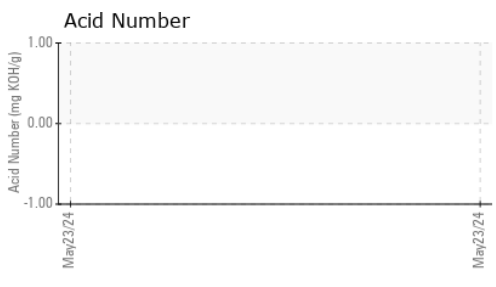
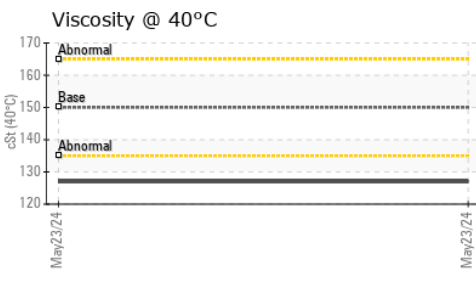
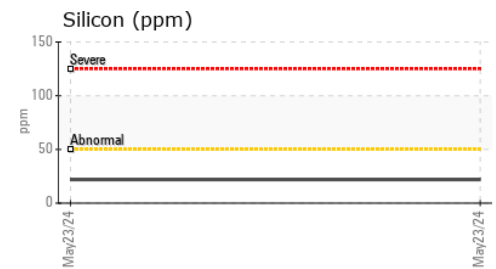
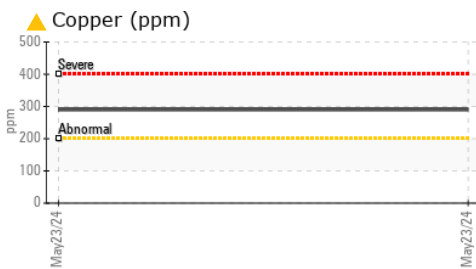
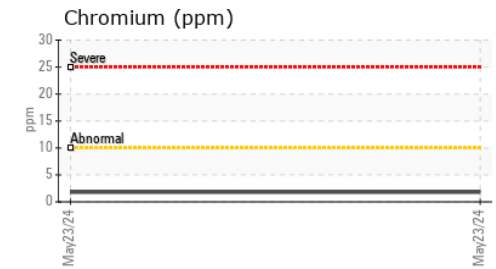
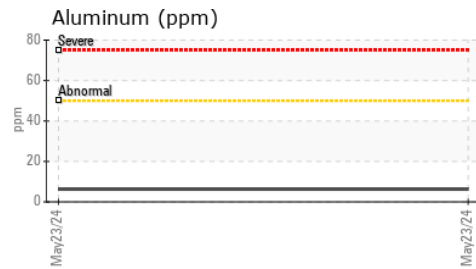
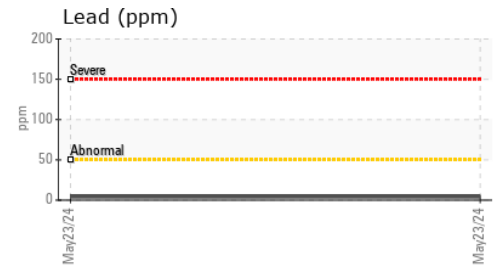
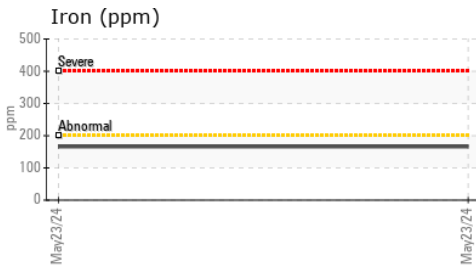
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	150	127	---
Visc @ 100°C	cSt	ASTM D445	18.5	16.9	---
Viscosity Index (VI)	Scale	ASTM D2270	144	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO50002389 **Received** : 11 Jun 2024
Lab Number : 06206892 **Tested** : 13 Jun 2024
Unique Number : 11074353 **Diagnosed** : 13 Jun 2024 - Don Baldrige
Test Package : MOB 2 (Additional Tests: KV100, PQ, VI)

KLX ENERGY SERVICES
 701 N MAIN
 UNION CITY, OK
 US 73090-9657
 Contact: FRANKIE GOAD
 frankie.goad@klx.com

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)