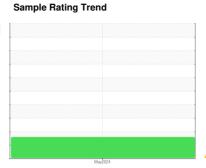


OIL ANALYSIS REPORT





Machine Id 3518

Component **Transmission**

TULCO LUBSOIL TO-4 30 (40 GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

The copper level is abnormal. Clutch disc wear or oil cooler leaching indicated.

Contamination

There is a moderate amount of visible silt present in the sample.

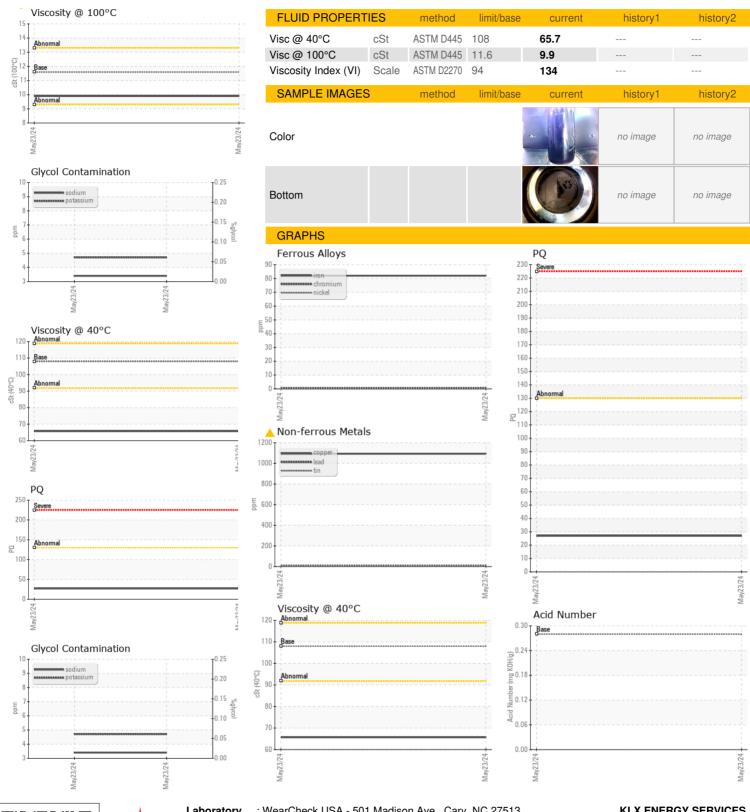
Fluid Condition

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

				May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50002377		
Sample Date		Client Info		23 May 2024		
Machine Age	hrs	Client Info		7404		
Oil Age	hrs	Client Info		7404		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>130	27		
Iron	ppm	ASTM D5185m	>250	82		
Chromium	ppm	ASTM D5185m	>2	<1		
Nickel	ppm	ASTM D5185m	>2	0		
Titanium	ppm	ASTM D5185m	>2	0		
Silver	ppm	ASTM D5185m		33		
Aluminum	ppm	ASTM D5185m	>55	2		
Lead	ppm	ASTM D5185m	>65	5		
Copper	ppm	ASTM D5185m	>230	1093		
Tin	ppm	ASTM D5185m	>6	4		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		64		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		20		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m	9	86		
Calcium	ppm	ASTM D5185m	4500	2176		
Phosphorus	ppm	ASTM D5185m	1150	1014		
Zinc	ppm	ASTM D5185m	1250	1064		
Sulfur	ppm	ASTM D5185m	4500	4147		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	6		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	5		
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	▲ MODER		
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	Submitted By: F	RANKIE GOAD
						Page 1 of 2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: TO50002377 **Lab Number** : 06206895

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Jun 2024 **Tested** : 18 Jun 2024 : 18 Jun 2024 - Jonathan Hester Unique Number : 11074356 Diagnosed

Test Package : IND 2 (Additional Tests: Glycol, KV100, PQ, VI)

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. **KLX ENERGY SERVICES 701 N MAIN**

UNION CITY, OK US 73090-9657 Contact: FRANKIE GOAD

frankie.goad@klx.com T:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: Submitted By: FRANKIE GOAD