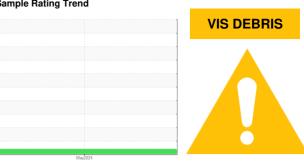


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

506 SUPERLUBE

Hydraulic System

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO10003236		
Sample Date		Client Info		15 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	<1		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		37		
Phosphorus	ppm	ASTM D5185m		8		
Zinc	ppm	ASTM D5185m		14		
Sulfur	ppm	ASTM D5185m		27		
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1249		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304	>0.05	0.003		
opm Water	ppm	ASTM D6304	>500	27		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2

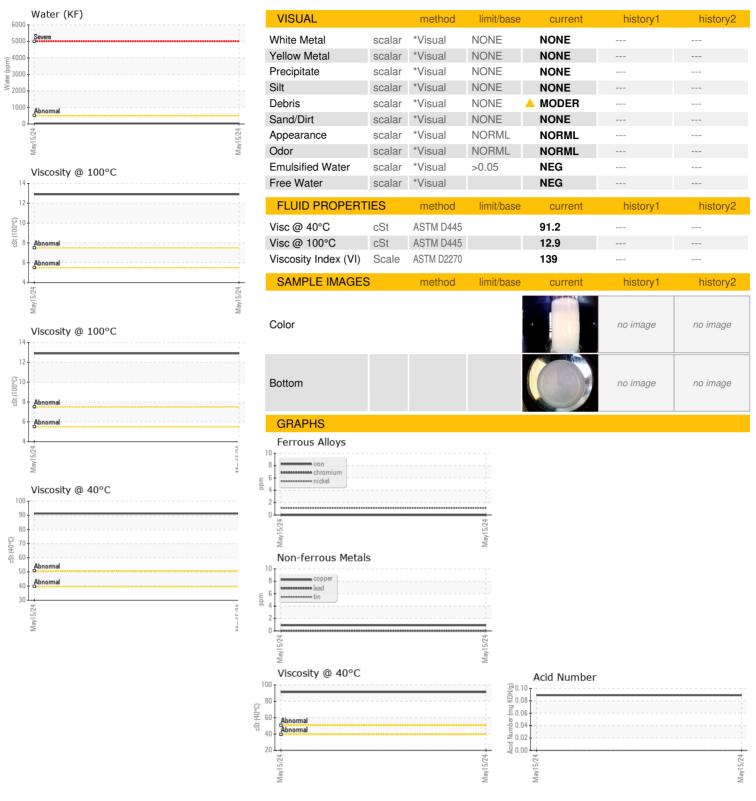
0.089

Acid Number (AN)

mg KOH/g ASTM D8045



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: TO10003236 Lab Number : 06181314 Unique Number : 11032640

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 16 May 2024 **Tested**

: 20 May 2024 Diagnosed Test Package : IND 2 (Additional Tests: KF, KV100, VI)

: 20 May 2024 - Jonathan Hester

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

US 74115 Contact: DYLAN COPE dylancope@tulco.com T: (800)375-2347 F: x:

5240 EAST PINE

TULSA, OK

TULCO OILS INC (001-TULSA DIVISION)

 st - 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)

Contact/Location: DYLAN COPE - UCTULTUL