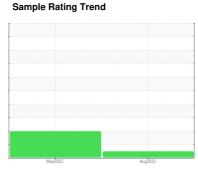


OIL ANALYSIS REPORT

Acid Number (AN) mg KOH/g ASTM D8045 0.57



NORMAL



W-4 W-4 Component

AW HYDRAULIC OIL ISO 46 (--- GAL)

Hydraulic System

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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

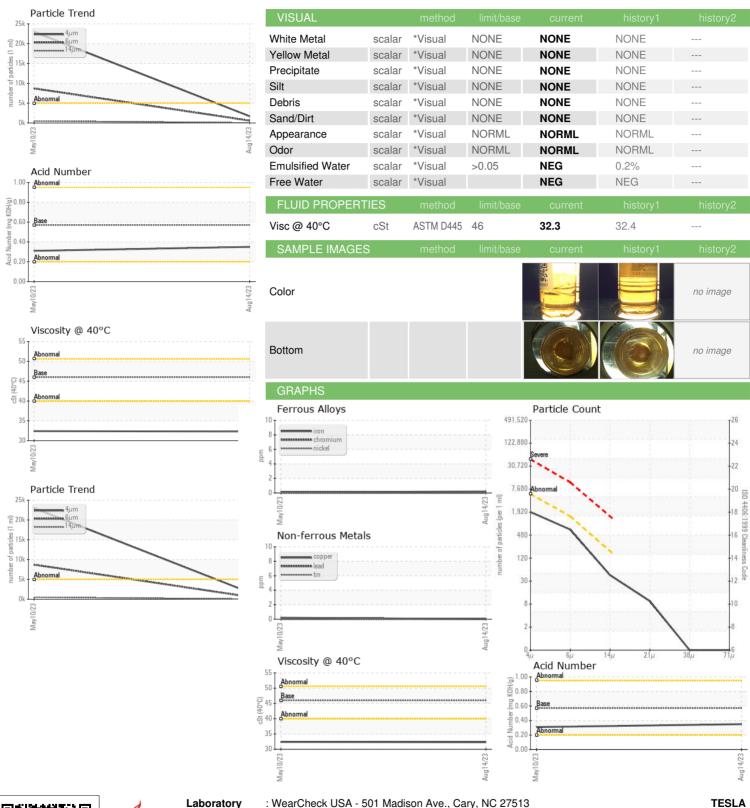
			May2023	Aug2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TLC0001007	TLC0001157	
Sample Date		Client Info		14 Aug 2023	10 May 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	<1	
Chromium	ppm	ASTM D5185m	>20	0	0	
Nickel	ppm	ASTM D5185m	>20	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>20	0	1	
Lead	ppm	ASTM D5185m	>20	0	0	
Copper	ppm	ASTM D5185m	>20	0	<1	
Tin	ppm	ASTM D5185m	>20	0	0	
Vanadium	ppm	ASTM D5185m	/20	0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES	ррпп	method	limit/base		history1	history2
				current	•	HISTOLYZ
Boron	ppm	ASTM D5185m	5	0	0	
Barium	ppm	ASTM D5185m	5	0	0	
Molybdenum	ppm	ASTM D5185m	5	0	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	25	10	5	
Calcium	ppm	ASTM D5185m	200	51	56	
Phosphorus	ppm	ASTM D5185m	300	306	310	
Zinc	ppm	ASTM D5185m	370	467	493	
Sulfur	ppm	ASTM D5185m	2500	1060	1122	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	
Sodium	ppm	ASTM D5185m		<1	<1	
Potassium	ppm	ASTM D5185m	>20	0	0	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1691	<u>22957</u>	
Particles >6µm		ASTM D7647	>1300	590	<u>▲</u> 8713	
Particles >14µm		ASTM D7647	>160	38	▲ 501	
Particles >21μm		ASTM D7647	>40	8	<u>▲</u> 52	
Particles >38µm		ASTM D7647	>10	0	1	
Particles >71μm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/16/12	<u>^</u> 22/20/16	
FLUID DEGRADA	TION _	method	limit/base	current	history1	history2
- PEOID DEGITADA	HON			Garrent	- Instory	— matoryz

0.31

0.35



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number Unique Number Test Package : PLANT

: TLC0001007 : 05924191 : 10604138

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

: 14 Aug 2023

Diagnosed : 15 Aug 2023 : Doug Bogart Diagnostician

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) 1 Tesla Road, BIW E58 Austin, TX US 78725

Contact: Dave Mitchell davmitchell@tesla.com T: (260)226-1968 F: