

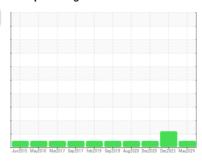
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

South Wing AST Citation VII Component Hydraulic System

TULCO LUBSOIL SYNTHETIC HYDRAULIC 15 (220 GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

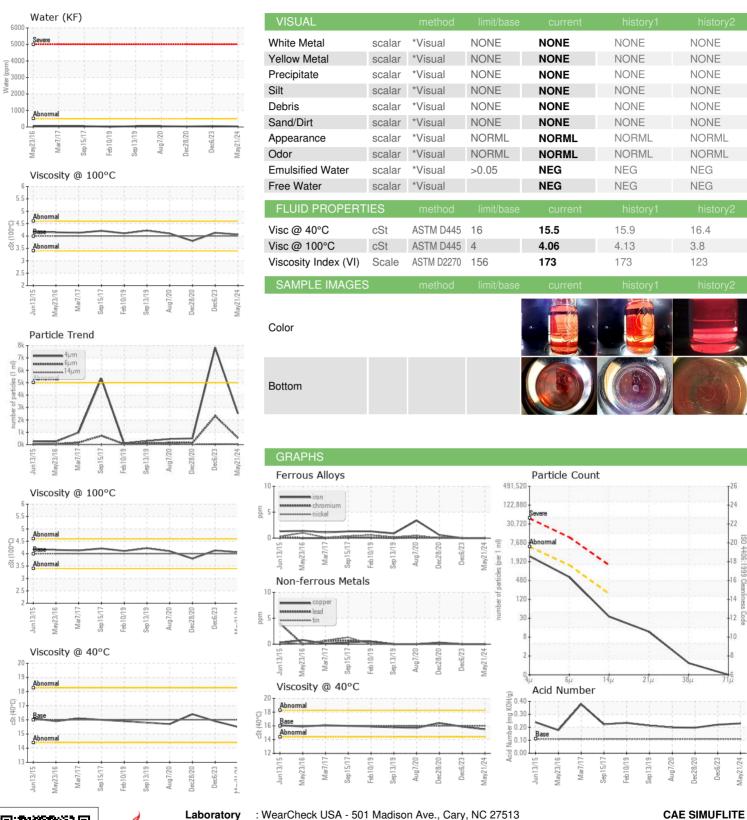
Fluid Condition

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

C 15 (220 GAL)						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50002050	TO50002066	TO5003199
Sample Date		Client Info		21 May 2024	06 Dec 2023	28 Dec 2020
Machine Age	yrs	Client Info		0	0	0
Oil Age	yrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	<1
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	0
Lead	ppm	ASTM D5185m	>20	0	0	<1
Copper	ppm	ASTM D5185m	>20	0	0	<1
Tin	ppm	ASTM D5185m	>20	0	0	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		4	5	7
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		<1	<1	0
Calcium	ppm	ASTM D5185m		2	0	<1
Phosphorus	ppm	ASTM D5185m	50	145	143	172
Zinc	ppm	ASTM D5185m	4	16	0	5
Sulfur	ppm	ASTM D5185m	80	335	273	268
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
Sodium	ppm	ASTM D5185m		2	2	0
Potassium	ppm	ASTM D5185m	>20	0	1	0
Water	%	ASTM D6304	>0.05	0.003	0.005	0.003
ppm Water	ppm	ASTM D6304	>500	34	54	31.5
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	2511	7838	504
Particles >6µm		ASTM D7647	>1300	544	2311	141
Particles >14μm		ASTM D7647	>160	30	52	20
Particles >21μm		ASTM D7647	>40	10	9	6
Particles >38μm		ASTM D7647	>10	1	0	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/16/12	0 20/18/13	16/14/11
FLUID DEGRADA	TION	method				history2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: 06195895 Unique Number : 11058018

: TO50002050

Received : 30 May 2024 Tested : 04 Jun 2024 Diagnosed

: 04 Jun 2024 - Wes Davis Test Package : IND 2 (Additional Tests: KF, KV100, VI)

2929 WEST AIRFIELD DR, DFW AIRPORT

US 75261 Contact: SCOTT BOYD scott.boyd@cae.com T: (817)812-6165

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)

F: x:

DALLAS, TX