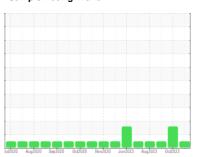


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



W14 (S/N 31039)

Component '
Hydraulic System

MIL-PRF-5606H (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Discrete particle counts [100 ml] $5-15\mu m = 20100$, $15-25\mu m = 1500$, $25-50\mu m = 400$, $50-100\mu m = 0$, $>100\mu m = 0$. The amount and size of particulates present in the system are acceptable. Chlorine is 45.8 ppm.

Fluid Condition

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

		Jul2020 Aug	2020 Sep 2020 Oct2020	Nov2020 Jun2023 Aug2023	Oct2023	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0874933	WC0768838	WC0723447
Sample Date		Client Info		10 Nov 2023	12 Oct 2023	11 Sep 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	0
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>20	0	1	<1
Lead	ppm	ASTM D5185m	>20	0	<1	<1
Copper	ppm	ASTM D5185m	>20	1	<1	<1
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	16	8
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		0	0	<1
Calcium	ppm	ASTM D5185m		0	<1	<1
Phosphorus	ppm	ASTM D5185m		511	495	583
Zinc	ppm	ASTM D5185m		0	1	7
Sulfur	ppm	ASTM D5185m		128	130	174
CONTAMINANTS	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	6	6	8
Sodium	ppm	ASTM D5185m		2	0	0
Potassium	ppm	ASTM D5185m	>20	0	2	<1
Chlorine Content	ppm	ASTM D5185m		45.8	30.5	
Water	%	ASTM D6304	>0.05	0.005	0.005	0.008
ppm Water	ppm	ASTM D6304	>500	55	59.3	89.5
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	800	1528	881
Particles >6µm		ASTM D7647	>1300	220	493	307
Particles >14µm		ASTM D7647	>160	19	<u>48</u>	27
Particles >21µm		ASTM D7647		4	<u> </u>	5
Particles >38µm		ASTM D7647	>10	0	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/11	▲ 18/16/13	17/15/12
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2

0.044

0.048



OIL ANALYSIS REPORT



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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T: