

## **OIL ANALYSIS REPORT**

### Sample Rating Trend



Machine Id Component **Hydraulic System** MIL-PRF-5606H (--- GAL)

#### Recommendation

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

### Wear

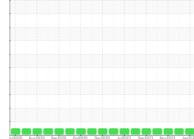
All component wear rates are normal.

#### Contamination

Discrete particle counts [100 ml] 5-15µm = 22100, 15-25μm = 2000, 25-50μm = 700, 50-100μm = 0,  $>100\mu m = 0$ . The water content is negligible. The amount and size of particulates present in the system are acceptable. Chlorine value is 18.8.

#### Fluid Condition

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





SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0874948	WC0874941	WC0874932
Sample Date		Client Info		09 Jan 2024	06 Dec 2023	10 Nov 2023
Machine Age	hrs	Client Info		0	134	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	<1	0
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>20	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	1	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	<1	<1	2
Tin	ppm	ASTM D5185m	>20	0	<1	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	11	0
Molybdenum	ppm	ASTM D5185m		0	1	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		1	0	0
Calcium	ppm	ASTM D5185m		1	<1	0
Phosphorus	ppm	ASTM D5185m		424	428	450
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		130	28	94
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	10	9	9
Sodium	ppm	ASTM D5185m		0	0	2
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Chlorine Content	ppm	ASTM D5185m		18.8	12.3	11.0
Water	%		>0.05	0.003	0.004	0.004
ppm Water	ppm	ASTM D6304	>500	29	45	47
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1067	744	150
Particles >6µm		ASTM D7647	>1300	248	156	45
Particles >14µm		ASTM D7647	>160	27	8	6
Particles >21µm		ASTM D7647		7	2	2
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/12	17/14/10	14/13/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.1	0.064	0.047	0.09

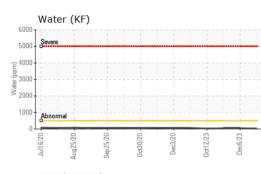
Acid Number (AN) mg KOH/g ASTM D8045 0.1 Report Id: NORPLAMA [WUSCAR] 06064334 (Generated: 01/22/2024 22:07:29) Rev: 1

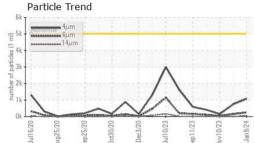
0.047 0.064

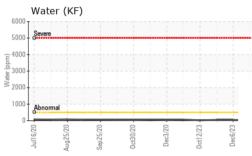
Contact/Location: JIM ALLEN - NORPLAMA

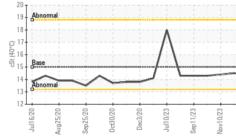


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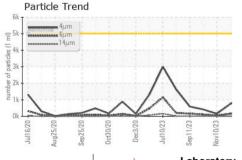




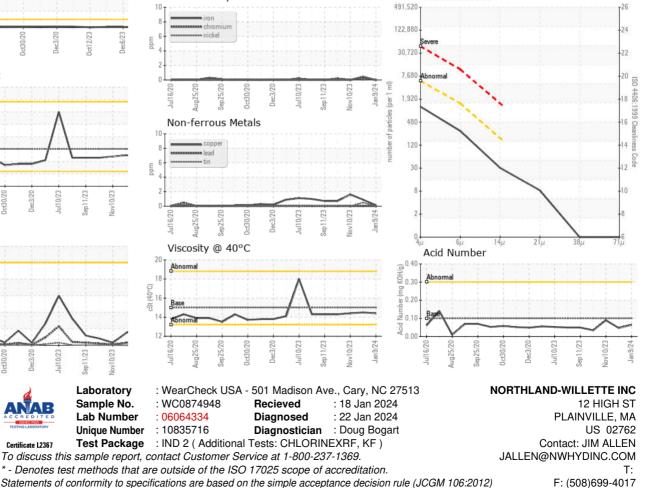




Viscosity @ 40°C







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

Certificate L2367