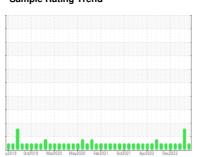


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



AERO HYD RECYCLED

Component **Hydraulic System**

Hydraulic System

MOBIL AERO HFA (--- QTS)

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Recommendation

Resample at the next service interval to monitor.

Wear

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.

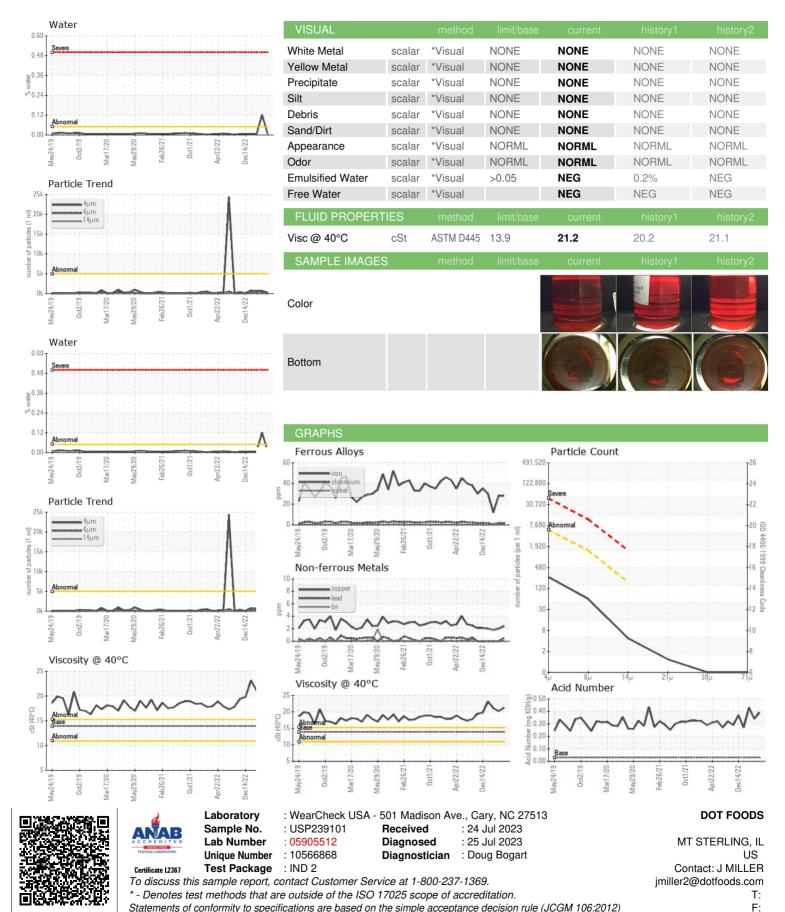
Fluid Condition

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

92019 Oct2019 May2020 May2020 Feb2021 Oct2021 Apr2022 Dec2022									
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		USP239101	USP239102	USP239103			
Sample Date		Client Info		18 Jul 2023	27 Jun 2023	13 Jun 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	28	28	12			
Chromium	ppm	ASTM D5185m	>20	2	2	<1			
Nickel	ppm	ASTM D5185m	>20	0	0	0			
Titanium	ppm	ASTM D5185m		0	0	0			
Silver	ppm	ASTM D5185m		<1	0	0			
Aluminum	ppm	ASTM D5185m	>20	<1	<1	2			
Lead	ppm	ASTM D5185m	>20	<1	0	0			
Copper	ppm	ASTM D5185m	>20	2	2	2			
Tin	ppm	ASTM D5185m	>20	0	0	0			
Vanadium	ppm	ASTM D5185m		0	0	<1			
Cadmium	ppm	ASTM D5185m		0	0	0			
ADDITIVES		method	limit/base	current	history1	history2			
Boron	ppm	ASTM D5185m		0	0	0			
Barium	ppm	ASTM D5185m		<1	0	0			
Molybdenum	ppm	ASTM D5185m		0	0	0			
Manganese	ppm	ASTM D5185m		<1	<1	<1			
Magnesium	ppm	ASTM D5185m		<1	0	0			
Calcium	ppm	ASTM D5185m		51	53	48			
Phosphorus	ppm	ASTM D5185m		367	393	415			
Zinc	ppm	ASTM D5185m		348	333	432			
Sulfur	ppm	ASTM D5185m		1790	1941	1892			
CONTAMINANTS		method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>15	4	4	2			
Sodium	ppm	ASTM D5185m		0	<1	<1			
Potassium	ppm	ASTM D5185m	>20	1	0	<1			
Water	%	ASTM D6304	>0.05	0.006	△ 0.121	0.005			
ppm Water	ppm	ASTM D6304	>500	63.9	<u>▲</u> 1210	52.5			
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2			
Particles >4µm		ASTM D7647	>5000	225	697	722			
Particles >6µm		ASTM D7647	>1300	53	207	155			
Particles >14µm		ASTM D7647	>160	4	12	7			
Particles >21µm		ASTM D7647	>40	1	2	2			
Particles >38µm		ASTM D7647	>10	0	0	0			
Particles >71µm		ASTM D7647	>3	0	0	0			
Oil Cleanliness		ISO 4406 (c)	>19/17/14	15/13/9	17/15/11	17/14/10			
FLUID DEGRADA	TION	method	limit/base	current	history1	history2			
Acid Number (AN)	mg KOH/g	ASTM D8045	0.03	0.39	0.34	0.43			



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