

OIL ANALYSIS REPORT

Area HAPL HAPL ENTRY ACCUMULATOR EAST Component

Gearbox Fluid

GEAR OIL ISO 150 (--- QTS)

Recommendation

Resample at the next service interval to monitor.

Wear

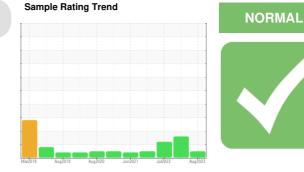
All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

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		RP0035384	RP0034535	RP0028817
Sample Date		Client Info		24 Aug 2023	07 Apr 2023	15 Jul 2022
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	ATTENTION	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		21	12	22
Iron	ppm	ASTM D5185m	>200	42	33	19
Chromium	ppm	ASTM D5185m	>15	<1	<1	<1
Nickel	ppm	ASTM D5185m	>15	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>25	<1	0	<1
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m	>200	<1	0	<1
Tin	ppm	ASTM D5185m	>25	0	0	<1
Antimony	ppm	ASTM D5185m	>5			
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	0	0	2
Barium	ppm	ASTM D5185m	15	9	1	2
Molybdenum	ppm	ASTM D5185m	15	776	<u> </u>	A 716
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	50	8	4	9
Calcium	ppm	ASTM D5185m	50	1999	1 942	1 864
Phosphorus	ppm	ASTM D5185m	350	507	4 82	442
Zinc	ppm	ASTM D5185m	100	9	0	2
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	12	10	11
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	2	1	0
Water	%	ASTM D6304	>0.2	0.00	0.026	0.041
ppm Water	ppm	ASTM D6304	>2000	0.00	269.3	411.0
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.83	0.91	0.98



Viscosity @ 40°C

Aug13/19

Aug13/19 -

350

100

20

150 문

50

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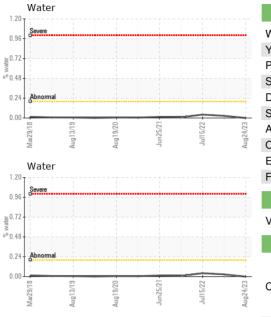
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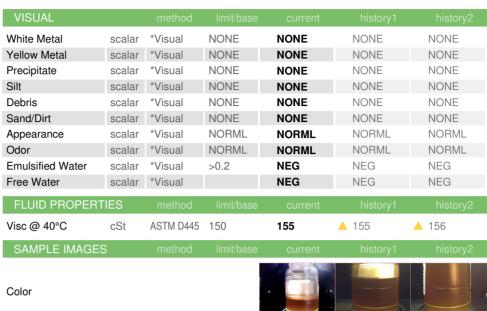
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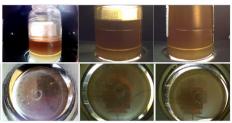
PQ

100 -

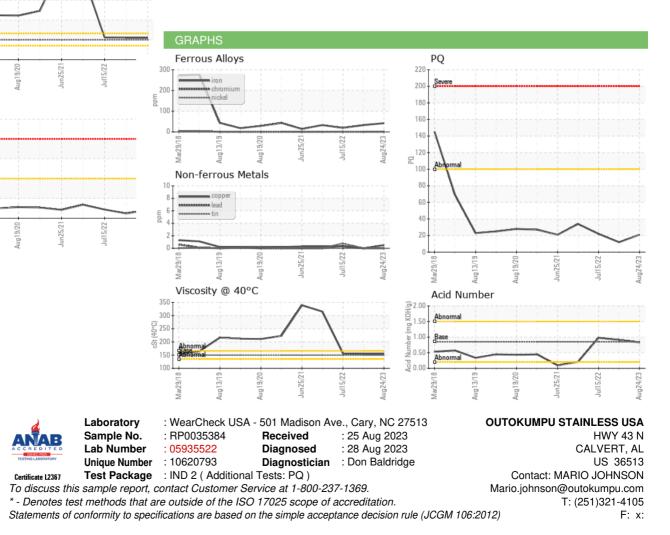
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