

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

NOT GIVEN USP249758 (S/N NO INFO ON BOTTLE)

Refrigeration Compressor

Fluid REFRIG COMP OIL ISO 68 (--- GAL)

DIAGNOSIS

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.

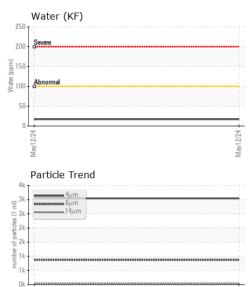
Fluid Condition

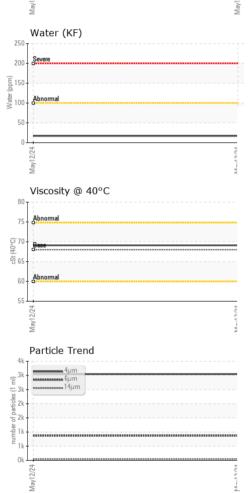
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

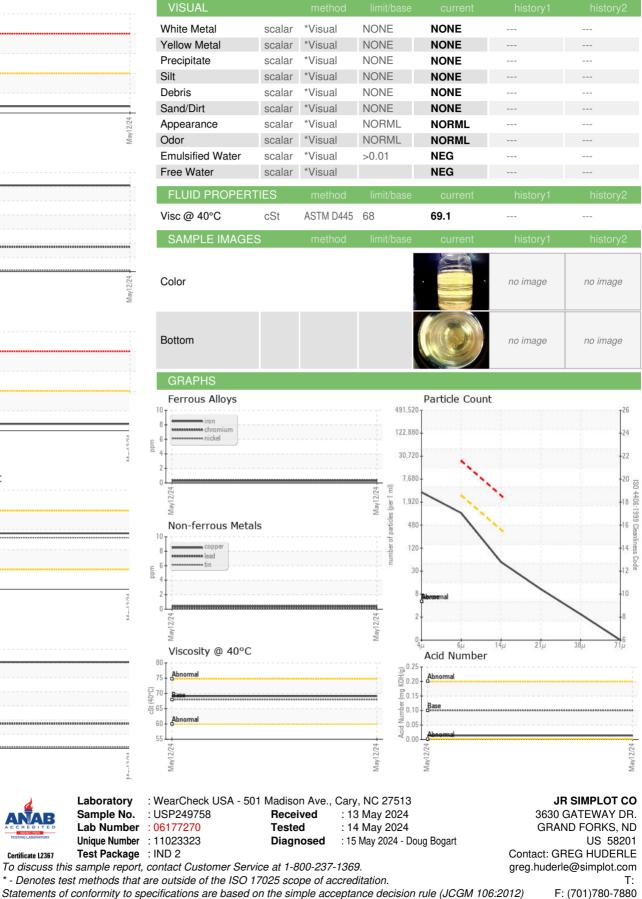
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP249758		
Sample Date		Client Info		12 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	<1		
Chromium	ppm	ASTM D5185m	>2	<1		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>3	0		
Lead	ppm	ASTM D5185m	>2	<1		
Copper	ppm	ASTM D5185m		<1		
Tin	ppm	ASTM D5185m		<1		
Vanadium	ppm	ASTM D5185m	~ 1	0		
Cadmium	ppm	ASTM D5185m		۰ <1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0		
Barium	ppm	ASTM D5185m	5	0		
Molybdenum	ppm	ASTM D5185m	5	<1		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	5	<1		
Calcium	ppm	ASTM D5185m	12	0		
Phosphorus	ppm	ASTM D5185m	12	0		
Zinc	ppm	ASTM D5185m	12	3		
Sulfur	ppm	ASTM D5185m	1000	0		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	2		
Water	%	ASTM D6304	>0.01	0.002		
ppm Water	ppm	ASTM D6304		17		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		3044		
Particles >6µm		ASTM D7647	>2500	869		
Particles >14µm		ASTM D7647	>320	46		
Particles >21µm		ASTM D7647	>80	9		
Particles >38µm		ASTM D7647	>20	2		
Particles >71µm		ASTM D7647	>4	0		
Oil Cleanliness		ISO 4406 (c)	>/18/15	19/17/13		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.10	0.014		



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Certificate 12367

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