

PROBLEM SUMMARY

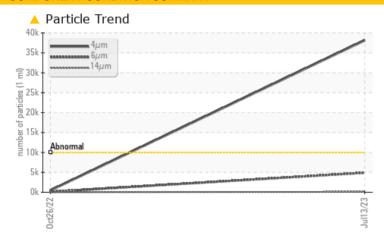
Area [41001395] PLANT 5 DVT 12

Refrigeration Compressor

NOT GIVEN (--- GAL)

Sample Rating Trend ISO

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS									
Sample Status			ABNORMAL	NORMAL					
Particles >4µm	ASTM D7647	>10000	A 38120	450					
Particles >6µm	ASTM D7647	>2500	4911	104					
Oil Cleanliness	ISO 4406 (c)	>20/18/15	22/19/14	16/14/11					

Customer Id: HILDAL Sample No.: USP201480 Lab Number: 05901302 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

26 Oct 2022 Diag: Doug Bogart

NORMAL



Resample at the next service interval to monitor. Please specify the brand and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Area [41001395] PLANT 5 DVT 12

Refrigeration Compressor

NOT GIVEN (--- GAL)

Sample Rating Trend



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

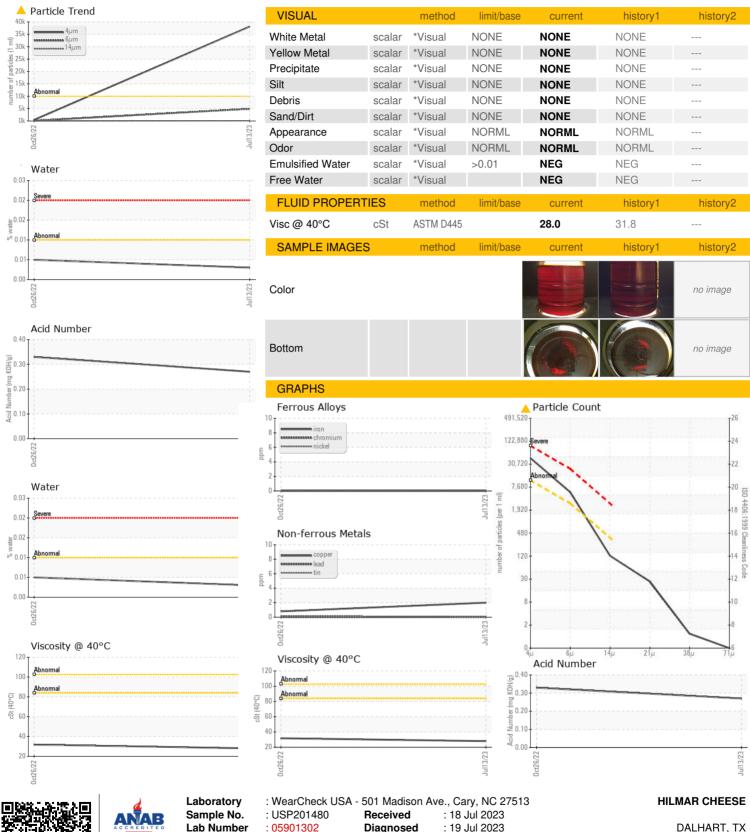
Fluid Condition

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

			Oct2022	Jul2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP201480	USP242709	
Sample Date		Client Info		13 Jul 2023	26 Oct 2022	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	0	0	
Chromium	ppm	ASTM D5185m	>2	0	0	
Nickel	ppm	ASTM D5185m		0	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>2	0	<1	
Aluminum	ppm	ASTM D5185m	>3	<1	<1	
Lead	ppm	ASTM D5185m	>2	0	0	
Copper	ppm	ASTM D5185m	>8	2	<1	
Tin	ppm	ASTM D5185m	>4	0	<1	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	<1	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		<1	<1	
Calcium	ppm	ASTM D5185m		0	0	
Phosphorus	ppm	ASTM D5185m		90	125	
Zinc	ppm	ASTM D5185m		0	1	
Sulfur	ppm	ASTM D5185m		87	141	
CONTAMINANTS	}	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	
Sodium	ppm	ASTM D5185m		1	0	
Potassium	ppm	ASTM D5185m	>20	0	1	
Water	%	ASTM D6304	>0.01	0.003	0.005	
ppm Water	ppm	ASTM D6304	>100	30.0	56.9	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	▲ 38120	450	
Particles >6µm		ASTM D7647	>2500	<u>4911</u>	104	
Particles >14µm		ASTM D7647	>320	108	11	
Particles >21µm		ASTM D7647	>80	23	4	
Particles >38µm		ASTM D7647	>20	1	0	
Particles >71µm		ASTM D7647	>4	0	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	22/19/14	16/14/11	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974		0.27	0.33	



OIL ANALYSIS REPORT





Certificate L2367

Lab Number Unique Number

Test Package

: 05901302

: 10562658 : IND 2

Diagnosed

Diagnostician : Doug Bogart DALHART, TX

Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

T: F: