

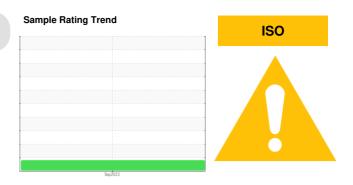
Area [40996888]

PROBLEM SUMMARY

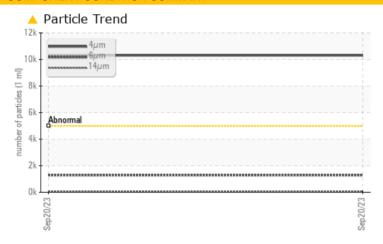
VACUUM PUMP (S/N NO OTHER INFO GIVEN)

Vacuum Pump

NOT GIVEN (--- GAL)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand and viscosity of the oil on your next sample.

PROBLEMATIC T	EST RESULTS			
Sample Status			ABNORMAL	
Particles >4µm	ASTM D7647	>5000	<u> </u>	
Oil Cleanliness	ISO 4406 (c)	>19/17/14	21/17/13	

Customer Id: HILDAL Sample No.: USP0001902 Lab Number: 05961273 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								
Action	Status	Date	Done By	Description				
Information Required			?	Please specify the brand, type, and viscosity of the oil on your next sample.				
HISTORICAL DIAGN	NOSIS							

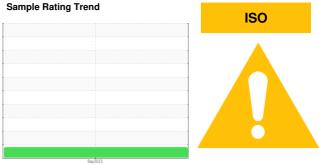


OIL ANALYSIS REPORT

Area [40996888] VACUUM PUMP (S/N NO OTHER INFO GIVEN)

Vacuum Pump

NOT GIVEN (--- GAL)



DIAGNOSIS

Recommendation

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.

Contamination

There is a high amount of silt (particulates < 6 microns in size) present in the oil.

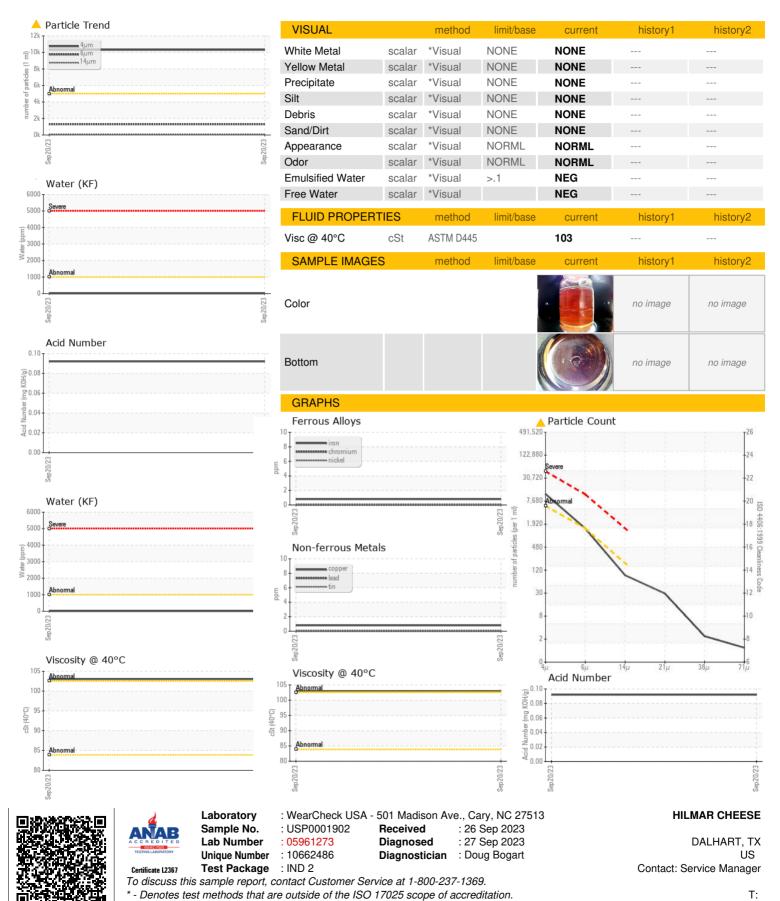
Fluid Condition

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

				Sep 2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0001902		
Sample Date		Client Info		20 Sep 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	<1		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		25		
Phosphorus	ppm	ASTM D5185m		447		
Zinc	ppm	ASTM D5185m		3		
Sulfur	ppm	ASTM D5185m		1283		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2		
Sodium	ppm	ASTM D5185m	00	2		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304		0.001		
ppm Water	ppm	ASTM D6304	>1000	4.3		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u>10309</u>		
Particles >6µm		ASTM D7647		1294		
Particles >14µm		ASTM D7647	>160	78		
Particles >21µm		ASTM D7647		26		
Particles >38µm		ASTM D7647	>10	2		
Particles >71μm		ASTM D7647		1		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>21/17/13</u>		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.092		



OIL ANALYSIS REPORT



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

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