



RECOMMENDATION

Re-sample to verify the actual oil condition. Replace filter elements. Change oil if cleanliness level does not improve after replacing the filter(s).

PROBLEMATIC TEST RESULTS									
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL				
Particles >6µm	ASTM D7647	>5000	🔺 126447	1 18081	4 92005				
Particles >14µm	ASTM D7647	>640	🔺 1859	6 77	1438				
Oil Cleanliness	ISO 4406 (c)	>/19/16	<u> </u>	2 6/24/17	▲ 25/24/18				

Customer Id: MITSANJON Sample No.: MHI017681 Lab Number: 05015824 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			
Change Filter			?	Re-sample to verify the actual oil condition. Replace filter elements. Change oil if cleanliness level does not improve after replacing the filter(s).			
Resample			?	Re-sample to verify the actual oil condition. Replace filter elements. Change oil if cleanliness level does not improve after replacing the filter(s).			

HISTORICAL DIAGNOSIS



09 Dec 2019 Diag: Doug Bogart

Re-sample to verify the actual oil condition. Replace filter elements. Change oil if cleanliness level does not improve after replacing the filter(s).All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid.



view report

15 Aug 2019 Diag: Jonathan Hester



Replace filter element and resample at later date. In case already attempted and cleanliness was not improved then proceed to replace oil.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid.

27 May 2019 Diag: Don Baldridge



Re-sample to verify the actual oil condition. Replace filter elements. Change oil if cleanliness level does not improve after replacing the filter(s).All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid.

view report





OIL ANALYSIS REPORT



Component Wind Turbine Gearbox Fluid MITSUBISHI Daphne Alpha Winforce (70 GAL)

DIAGNOSIS

Machine Id

Recommendation

Re-sample to verify the actual oil condition. Replace filter elements. Change oil if cleanliness level does not improve after replacing the filter(s).

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		MHI017681	MHI018740	MHI04801417
Sample Date		Client Info		12 Jun 2020	09 Dec 2019	15 Aug 2019
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				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>200	45	38	35
Iron	ppm	ASTM D5185m	>200	64	54	44
Chromium	ppm	ASTM D5185m		<1	<1	<1
Nickel	ppm	ASTM D5185m		<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		<1	<1	0
Lead	ppm	ASTM D5185m		<1	2	0
Copper	ppm	ASTM D5185m	>75	6	5	6
Tin	ppm	ASTM D5185m		<1	2	<1
Antimony	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2	<1	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	1	<1
Manganese	ppm	ASTM D5185m		1	1	<1
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		2	0	0
Phosphorus	ppm	ASTM D5185m		311	307	332
Zinc	ppm	ASTM D5185m		0	6	11
Sulfur	ppm	ASTM D5185m		4169	3970	4098
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+30	6	5	4
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
Water	%	ASTM D6304	>0.1	0.010	0.007	0.009
ppm Water	ppm	ASTM D6304	>1000	106.6	70.0	97.5
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		189752	335008	287067
Particles >6µm		ASTM D7647	>5000	<u> </u>	1 18081	▲ 92005
Particles >14µm		ASTM D7647	>640	<u> </u>	6 77	1 438
Particles >21µm		ASTM D7647	>160	58	67	160
Particles >38µm		ASTM D7647	>40	20	2	4
Particles >71µm		ASTM D7647	>10	5	0	0
Oil Cleanliness		ISO 4406 (c)	>/19/16	^ 25/24/18	▲ 26/24/17	2 5/24/18



OIL ANALYSIS REPORT

Color

Bottom











