

PROBLEM SUMMARY

Sample Rating Trend

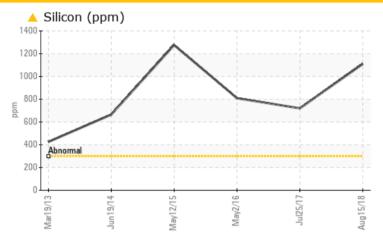
DIRT

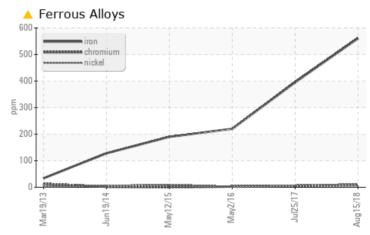
CHW-041 MAIN BEARING

Component **Grease**









RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS									
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL			
Nickel	ppm	ASTM D5185m		<u> </u>	5	2			
Silicon	ppm	ASTM D5185m	>+300	▲ 1110	A 720	A 809			

Customer Id: MITCAL Sample No.: MHI000530 Lab Number: 04651716 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

25 Jul 2017 Diag: Doug Bogart

DIRT



No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Elemental level of silicon (Si) above normal. The AN level is acceptable for this fluid.



02 May 2016 Diag: Jonathan Hester

DIRT



No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is acceptable for this fluid.



12 May 2015 Diag: Doug Bogart

DIRT



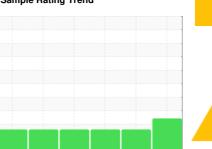
No corrective action is recommended at this time.All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is acceptable for this fluid.





OIL ANALYSIS REPORT

Sample Rating Trend



DIRT

CHW-041 MAIN BEARING

Component

Grease

MOBIL MOBILITH SHC PM 220 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Grease Condition

The AN level is acceptable for this fluid.

Contaminants

Elemental level of silicon (Si) above normal.

					Aug2018	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		MHI000530	MHII2276724	MHI004854
Sample Date		Client Info		15 Aug 2018	25 Jul 2017	02 May 2016
Machine Age	hrs	Client Info		0	0	24496
Grease Age	hrs	Client Info		0	0	0
Grease Serviced		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	297	189	170
Iron	ppm	ASTM D5185m	>30000	561	395	220
Chromium	ppm	ASTM D5185m	>150	8	6	3
Nickel	ppm	ASTM D5185m		<u> </u>	5	2
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	<1	<1
Aluminum	ppm	ASTM D5185m		2	7	<1
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m		7	24	5
Tin	ppm	ASTM D5185m		0	14	0
Antimony	ppm	ASTM D5185m		2	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		2	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		9	17	0
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		2	0	5
Manganese	ppm	ASTM D5185m		4	4	2
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		28	76	5
Phosphorus	ppm	ASTM D5185m		2282	1925	2131
Zinc	ppm	ASTM D5185m		3769	2844	3240
Sulfur	ppm	ASTM D5185m		9375	8034	9216
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+300	<u> </u>	<u>^</u> 720	▲ 809
Sodium	ppm	ASTM D5185m		10	11	5
Potassium	ppm	ASTM D5185m	>20	53	7	22
Water	%	ASTM D6304	>0.5	0.091	0.111	0.059
ppm Water	ppm	ASTM D6304	>5000	910	1110	590
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.89	1.54	0.295



OIL ANALYSIS REPORT

