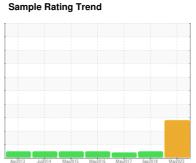


OIL ANALYSIS REPORT







CHW-025

Component

Hydraulic System

MOBIL DTE 10 EXCEL 32 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

The iron level is abnormal.

Contamination

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

Fluid Condition

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

		Apr2013	Jul2014 May2015	May2016 May2017 Sep2018	Mar2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0778741	MHI020380	MHI009932
Sample Date		Client Info		31 Mar 2023	18 Sep 2018	31 May 2017
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	NORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		11		
Iron	ppm	ASTM D5185m	>50	<u></u> 31	2	2
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>20	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	<1	0
Lead	ppm	ASTM D5185m	>20	1	1	<1
Copper	ppm	ASTM D5185m	>20	2	2	2
Tin	ppm	ASTM D5185m	>20	0	<1	<1
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		1	<1	6
Calcium	ppm	ASTM D5185m	120	105	116	94
Phosphorus	ppm	ASTM D5185m	475	355	481	510
Zinc	ppm	ASTM D5185m	170	5	34	211
Sulfur	ppm	ASTM D5185m	1275	825	1321	954
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+30	1	0	2
Sodium	ppm	ASTM D5185m		3	3	3
Potassium	ppm	ASTM D5185m	>20	1	6	2
Water	%	ASTM D6304	>0.1	0.011	0.007	0.016
ppm Water	ppm	ASTM D6304	>1000	118.3	70	160
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u>▲</u> 19244	3171	8223
Particles >6µm		ASTM D7647	>1300	▲ 4187	857	809
Particles >14µm		ASTM D7647	>160	<u>^</u> 242	76	38
Particles >21µm		ASTM D7647		<u>^</u> 54	21	15
Particles >38µm		ASTM D7647	>10	1	0	4
Particles >71µm		ASTM D7647		0	0	3
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>	19/17/13	0 20/17/12



OIL ANALYSIS REPORT

