

OIL ANALYSIS REPORT

Sample Rating Trend



Area MIXERS Machine Id M-303 Component Gearbox Fluid

MOBIL SHC 630 (12 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

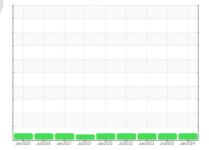
All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Fluid Condition

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





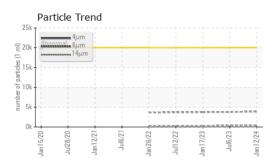
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0896654	WC0830810	WC0779035
Sample Date		Client Info		12 Jan 2024	06 Jul 2023	17 Jan 2023
Machine Age	mths	Client Info		72	72	0
Oil Age	mths	Client Info		72	72	4
Oil Changed		Client Info		N/A	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	3	3	3
Chromium	ppm		>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	1	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm		>200	0	0	0
Tin	ppm	ASTM D5185m	>25	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	1-1-	method	limit/base	-		history2
			IIIIII/Dase	current	history1	
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		<1	0	<1
Calcium	ppm	ASTM D5185m		1	0	0
Phosphorus	ppm	ASTM D5185m		459	481	441
Zinc	ppm	ASTM D5185m		0	<1	9
Sulfur	ppm	ASTM D5185m				
				185	455	252
CONTAMINANTS		method	limit/base	185 current	455 history1	252 history2
Silicon	ppm	method ASTM D5185m	>50	current 16		history2 17
		method	>50	current	history1	history2
Silicon Sodium Potassium	ppm ppm ppm	method ASTM D5185m	>50	current 16	history1 14	history2 17
Silicon Sodium	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m method	>50 >20 limit/base	current 16 <1 <1 current	history1 14 0	history2 17 0 <1 history2
Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D7647	>50 >20 limit/base >20000	current 16 <1 <1 <1 current 3854	history1 14 0 1	history2 17 0 <1 history2 3742
Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm	ppm ppm ppm	methodASTM D5185mASTM D5185mASTM D5185mASTM D7647ASTM D7647	>50 >20 limit/base >20000 >5000	current 16 <1 <1 sass4 3854 408	history1 14 0 1 history1	history2 17 0 <1 history2 3742 265
Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm	methodASTM D5185mASTM D5185mASTM D5185mASTM D7647ASTM D7647ASTM D7647ASTM D7647	>50 >20 limit/base >20000 >5000 >640	current 16 <1 <1 sass4 3854 408 31	history1 14 0 1 history1	history2 17 0 <1 history2 3742 265 20
Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D7647 ASTM D7647 ASTM D7647	>50 >20 limit/base >20000 >5000 >640 >160	current 16 <1 <1 sass4 3854 408 31 8	history1 14 0 1 history1 	history2 17 0 <1 history2 3742 265 20 6
Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>50 >20 limit/base >20000 >5000 >640 >160 >40	current 16 <1 <1 sass4 3854 408 31 8 1	history1 14 0 1 history1 	history2 17 0 <1 history2 3742 265 20 6 1
Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm ppm	methodASTM D5185mASTM D5185mASTM D5185mASTM D5185mASTM D7647ASTM D7647ASTM D7647ASTM D7647ASTM D7647ASTM D7647ASTM D7647ASTM D7647ASTM D7647	>50 >20 limit/base >20000 >5000 >640 >640 >160 >40 >10	current 16 <1 <1 Sass4 408 31 8 1 0	history1 14 0 1 history1 	history2 17 0 <1 history2 3742 265 20 6 1 0 0
Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm Oil Cleanliness	ppm ppm Ppm IESS	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>50 >20 limit/base >20000 >5000 >640 >160 >40	current 16 <1 <1 sass4 3854 408 31 8 1	history1 14 0 1 history1 	history2 17 0 <1 history2 3742 265 20 6 1
Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm Ppm IESS	methodASTM D5185mASTM D5185mASTM D5185mASTM D5185mASTM D7647ASTM D7647ASTM D7647ASTM D7647ASTM D7647ASTM D7647ASTM D7647ASTM D7647ASTM D7647	>50 >20 limit/base >20000 >5000 >640 >640 >160 >40 >10	current 16 <1 <1 Sass4 408 31 8 1 0	history1 14 0 1 1 history1	history2 17 0 <1 history2 3742 265 20 6 1 0 0

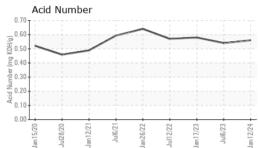
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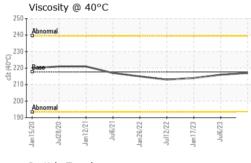
Submitted By: GAVIN KRUEGER

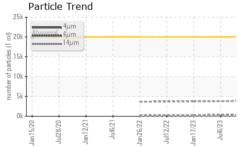


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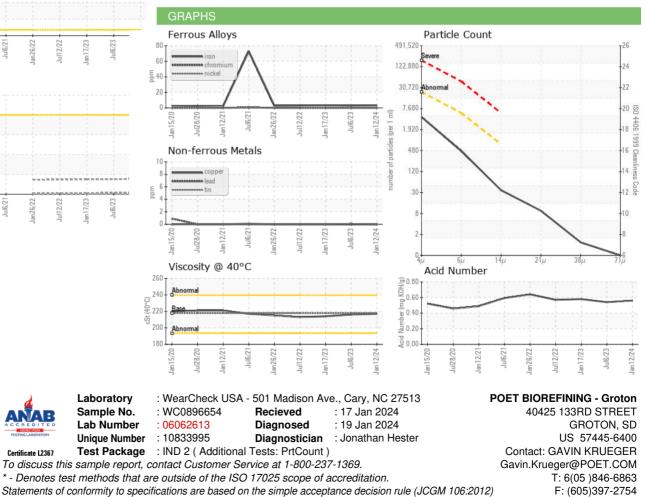






VISUAL		method	limit/base	current	history1	history2
					, , , , , , , , , , , , , , , , , , ,	
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	217.7	217	216	214
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				•		
				1798	1	

Bottom





Submitted By: GAVIN KRUEGER

Page 2 of 2