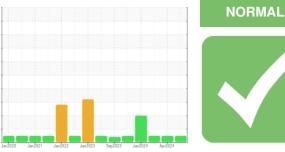


OIL ANALYSIS REPORT

Sample Rating Trend



Area MIXERS Machine for M-307 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

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

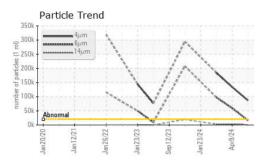
Fluid Condition

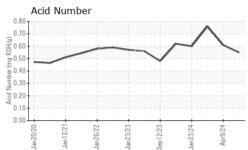
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

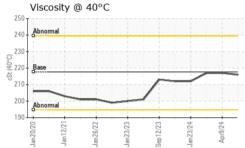
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0941015	WC0929829	WC0919945
Sample Date		Client Info		09 May 2024	09 Apr 2024	21 Mar 2024
Machine Age	mths	Client Info		48	48	48
Oil Age	mths	Client Info		48	4	1
Oil Changed	maio	Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	M	method	limit/base	-	history1	history2
Water	N	WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	-	history1	history2
Iron	ppm	ASTM D5185m	>200	12	18	89
Chromium	ppm	ASTM D5185m	>15	<1	0	1
Nickel	ppm	ASTM D5185m	>15	<1	0	<1
Titanium	ppm	ASTM D5185m	>10	<1	0	<1
Silver		ASTM D5185m		<1	0	0
	ppm	ASTM D5185m	>25	2	0	1
Aluminum	ppm			_	0	
Lead	ppm	ASTM D5185m	>100	<1 <1	0	<1 <1
Copper	ppm	ASTM D5185m ASTM D5185m	>200 >25			
Tin	ppm	ASTM D5185m	>25	<1	0	<1
Vanadium	ppm			<1	0	<1
Cadmium	ppm	ASTM D5185m		<1	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	1
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m		<1	0	<1
Calcium	ppm	ASTM D5185m		2	3	5
Phosphorus	ppm	ASTM D5185m		517	460	484
Zinc	ppm	ASTM D5185m		0	0	<1
Sulfur	ppm	ASTM D5185m		0	46	0
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	19	19	18
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	2	0	<1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	86943	133875	184537
Particles >6µm		ASTM D7647	>5000	16564	59398	97280
Particles >14µm		ASTM D7647	>640	367	2972	2572
Particles >21µm		ASTM D7647	>160	56	435	322
Particles >38µm		ASTM D7647	>40	1	4	5
Particles >71µm		ASTM D7647	>10	0	1	1
Oil Cleanliness		ISO 4406 (c)	>21/19/16	24/21/16	24/23/19	25/24/19
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.55	0.61	0.76
6:25:06) Rev: 1				S	ubmitted By: GA	AVIN KRUEGER
						Page 1 of 2

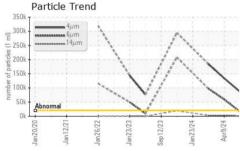


OIL ANALYSIS REPORT



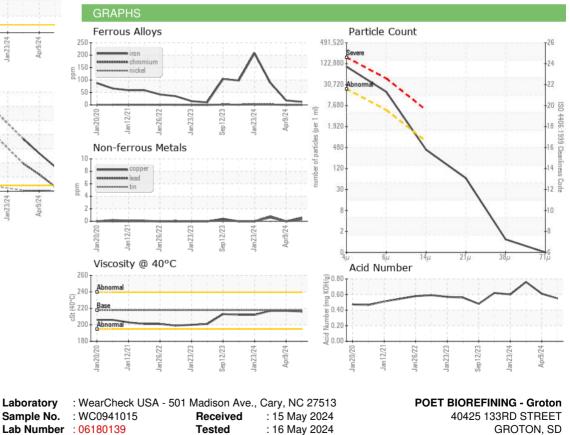






Report Id: POEGRO [WUSCAR] 06180139 (Generated: 05/17/2024 16:25:06) Rev: 1

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	LIGHT	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	216	217	217
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color				•		
Bottom						





 Unique Number
 : 11031465
 Diagnosed
 : 17 May 2024 - Angela Borella

 Certificate 12367
 Test Package
 : IND 2 (Additional Tests: PrtCount)
 Con

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 Gavin

 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

106:2012) F: (605)397-2754 Submitted By: GAVIN KRUEGER

Contact: GAVIN KRUEGER

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by: GAVIN KRUEGER

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