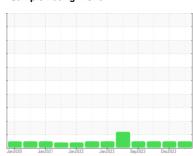


OIL ANALYSIS REPORT

Sample Rating Trend







MIXERS Machine Id M-512

Component Gearbox

MOBIL SHC 630 (4 GAL)

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Recommendation

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

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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

		Jan 2020	Jan2021 Jan2022	Jan2023 Sep2023 D	ec2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0896656	WC0871620	WC0871616
Sample Date		Client Info		12 Jan 2024	05 Dec 2023	23 Oct 2023
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	3
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	1	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	34	133	118
Chromium	ppm	ASTM D5185m	>15	0	1	1
Nickel	ppm	ASTM D5185m	>15	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	0	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	0	<1	0
Tin	ppm	ASTM D5185m	>25	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		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	1	1
Magnesium	ppm	ASTM D5185m		0	0	4
Calcium	ppm	ASTM D5185m		4	2	1
Phosphorus	ppm	ASTM D5185m		447	518	491
Zinc	ppm	ASTM D5185m		0	0	3
Sulfur	ppm	ASTM D5185m		128	969	207
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	19	18	17
Sodium	ppm	ASTM D5185m		<1	1	0
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	73794	158096	153973
Particles >6µm		ASTM D7647	>5000	11997	86738	43621
Particles >14µm		ASTM D7647	>640	383	5238	1135
Particles >21µm		ASTM D7647	>160	68	1088	216
Particles >38µm		ASTM D7647	>40	1	12	4
Particles >71µm		ASTM D7647	>10	0	1	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	23/21/16	24/24/20	24/23/17
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045

0.47

0.48

0.46



OIL ANALYSIS REPORT







Laboratory Sample No.

Lab Number

Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

: WC0896656 : 06062608 : 10833990

Recieved Diagnosed Diagnostician

: 17 Jan 2024 : 19 Jan 2024 : Jonathan Hester

Test Package : IND 2 (Additional Tests: PrtCount)

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

POET BIOREFINING - Groton

40425 133RD STREET GROTON, SD US 57445-6400

Contact: GAVIN KRUEGER Gavin.Krueger@POET.COM T: 6(05)846-6863

F: (605)397-2754