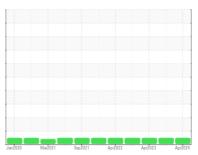


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id ING
C-114
Component
Gearbox
Fluid

MOBIL SHC 630 (--- LTR)

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

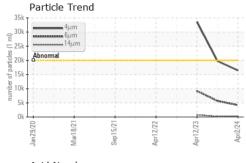
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

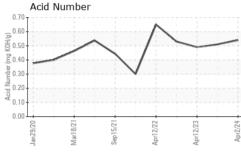
		Jan 2020	Mar2021 Sep2021	Apr2022 Apr2023	Apr2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0919954	WC0854679	WC0809610
Sample Date		Client Info		02 Apr 2024	06 Sep 2023	12 Apr 2023
Machine Age	mths	Client Info		02 Apr 2024 0	0	0
Oil Age	mths	Client Info		0	18	13
Oil Changed	111(113	Client Info		N/A	Not Changd	Not Changd
Sample Status		Ollerit IIIIO		NORMAL	NORMAL	NORMAL
CONTAMINATION	V	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	17	16	25
Chromium	ppm	ASTM D5185m		 <1	0	0
Nickel	ppm	ASTM D5185m	>15	0	<1	0
Titanium		ASTM D5185m	710	<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm		٥٢	2		
	ppm		>25	_	<1	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper 	ppm		>200	<1	<1	0
Tin	ppm	ASTM D5185m	>25	<1	<1	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		<1	<1	2
Calcium	ppm	ASTM D5185m		4	3	1
Phosphorus	ppm	ASTM D5185m		424	517	449
Zinc	ppm	ASTM D5185m		2	0	0
Sulfur	ppm	ASTM D5185m		0	15	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	39	33	37
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	2	0	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	16444	19757	33613
Particles >6µm		ASTM D7647	>5000	4185	5674	9193
Particles >14µm		ASTM D7647	>640	254	170	751
Particles >21µm		ASTM D7647	>160	28	14	96
Particles >38µm		ASTM D7647	>40	0	0	4
oop				-	~	
Particles >71um			>10	0	0	0
Particles >71µm Oil Cleanliness		ASTM D7647 ISO 4406 (c)	>10 >21/19/16	0 21/19/15	0 21/20/15	0 22/20/17
•	TION _	ASTM D7647				

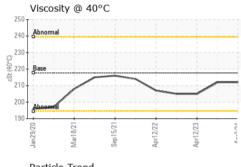
0.54

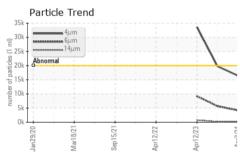


OIL ANALYSIS REPORT









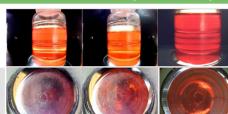
VISUAL		method				history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	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
ELLID DDODEDI	TIEC	mathad	limit/bass	ourront.	hiotom/1	hiotom/2

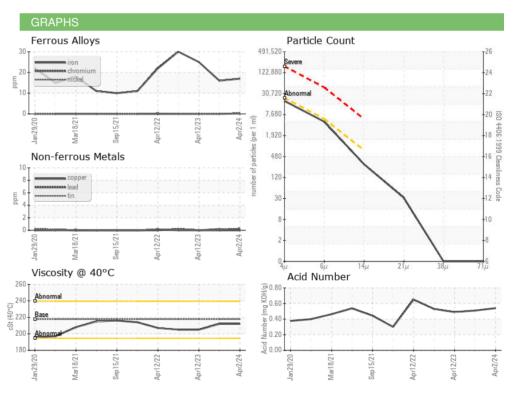
FLUID FROFEI	THES	method			HISTOLAL	HISTORYZ
Visc @ 40°C	cSt	ASTM D445	217.7	212	212	205

SAMPLE IMAGES	method		

Color











Certificate 12367

Laboratory Sample No.

: WC0919954 Lab Number : 06138526 Unique Number : 10963334

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 04 Apr 2024 **Tested** : 05 Apr 2024

Diagnosed : 06 Apr 2024 - Don Baldridge

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

Report Id: POEGRO [WUSCAR] 06138526 (Generated: 04/06/2024 12:08:05) Rev: 1

Submitted By: GAVIN KRUEGER