

OIL ANALYSIS REPORT

Sample Rating Trend



Area Building 12 Machine Id Cone 2A Component **Bulk Tank Lube System** Fluid

MOBIL MOBILGEAR 600 XP 320 (105 GAL)

DIAGNOSIS	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		WC0820080	WC0820083	WC0782523
We advise that you check all areas where dirt can	Sample Date		Client Info		02 Jun 2023	17 May 2023	26 Apr 2023
enter the system. Resample at the next service	Machine Age	hrs	Client Info		735	0	735
interval to monitor.	Oil Age	hrs	Client Info		66	440	54
Wear	Oil Changed		Client Info		Changed	N/A	N/A
Bearing and/or gear wear is indicated.	Sample Status				ABNORMAL	SEVERE	SEVERE
Contamination	CONTAMINATIO	N	method	limit/base	current	history1	history2
idicate alumina-silicate (coarse dirt) ingress.	Water		WC Method	>0.05	NEG	NEG	NEG
luid Condition	WEAR METALS		method	limit/base	current	history1	history
he AN level is acceptable for this fluid. The	WEAT WE TAES		method	in the base	Guirchit	Thistory	mistoryz
condition of the oil is suitable for further service.	Iron	ppm	ASTM D5185m	>20	196	926	9 3211
	Chromium	ppm	ASTM D5185m	>20	2	12	4 4
	Nickel	ppm	ASTM D5185m	>20	4	A 23	88
	Titanium	ppm	ASTM D5185m		2	13	▲ 36
	Silver	ppm	ASTM D5185m		0	<1	0
	Aluminum	ppm	ASTM D5185m	>20	3 5	1 56	4 24
	Lead	ppm	ASTM D5185m	>20	A 37	146	9349
	Copper	ppm	ASTM D5185m	>20	<u> </u>	1859	6628
	Tin	ppm	ASTM D5185m	>20	A 38	179	642
	Vanadium	ppm	ASTM D5185m		0	<1	2
	Cadmium	ppm	ASTM D5185m		0	<1	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		18	24	43
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		<1	3	5
	Manganese	ppm	ASTM D5185m		2	10	31
	Magnesium	ppm	ASTM D5185m		16	74	209
	Calcium	ppm	ASTM D5185m		18	80	225
	Phosphorus	ppm	ASTM D5185m		259	352	538
	Zinc	ppm	ASTM D5185m		0	6	35
	Sulfur	ppm	ASTM D5185m		17933	18534	21877
	CONTAMINANTS	6	method	limit/base	current	history1	history
	Silicon	ppm	ASTM D5185m	>15	110	• 511	1554
	Sodium	ppm	ASTM D5185m		11	57	172
	Potassium	ppm	ASTM D5185m	>20	5	23	64
	FLUID DEGRADA	ATION	method	limit/base	current	history1	history
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.70	0.77	1.01



300

200

100

2.50

(B/HOX Bu) 1.50

na u 1.00

Pio 0.50

0.00

Acid Number

OIL ANALYSIS REPORT



15/21

an 12/23

ah15/23

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	LIGHT	A MODER	A MODER
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	>0.05	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	320	305	334	321
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color						

Bottom





Apr3/23 -Jun2/23 -0ct4/22 Feb15/23 0ct4/22 Jan 12/23 Feb15/23 Apr3/23 un2/23 Nov15/22 Jun 15/22 Jan 12/23 Jun 15/22 Nov15/22 Feb15/23 0ct4/77 nr2/22 **3M - PITTSBORO** Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0820080 : 05 Jun 2023 4191 NC 87 S Recieved Lab Number : 05864452 MONCURE, NC Diagnosed : 13 Jun 2023 : 10498917 **Unique Number** : Doug Bogart US 27559 Diagnostician Test Package : IND 2 Contact: CHARLES JARRELL Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. cjarrell@mmm.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Т:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: JORDAN TUTEN

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