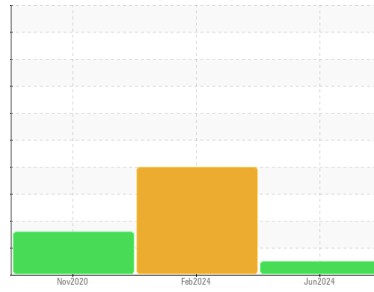




OIL ANALYSIS REPORT

Area
412
 Machine Id
621 PELLETIZER GEARBOX (S/N 73A1147)
 Component
Gearbox
 Fluid
MOBIL MOBILGEAR SHC 460 (250 GAL)

Sample Rating Trend



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0912143	WC0838910	WC0397530
Sample Date	Client Info			05 Jun 2024	28 Feb 2024	10 Nov 2020
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	2	0
Oil Changed	Client Info			Not Changed	Not Changed	N/A
Sample Status				NORMAL	SEVERE	ABNORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	NEG	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		15	25	27
Iron	ppm	ASTM D5185m	>200	4	10	11
Chromium	ppm	ASTM D5185m	>15	<1	0	<1
Nickel	ppm	ASTM D5185m	>15	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	0	0
Lead	ppm	ASTM D5185m	>100	<1	0	<1
Copper	ppm	ASTM D5185m	>200	<1	<1	2
Tin	ppm	ASTM D5185m	>25	<1	0	0
Antimony	ppm	ASTM D5185m	>5	---	---	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0

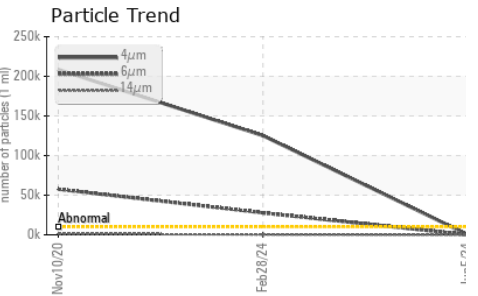
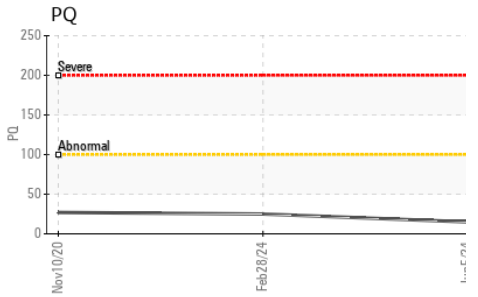
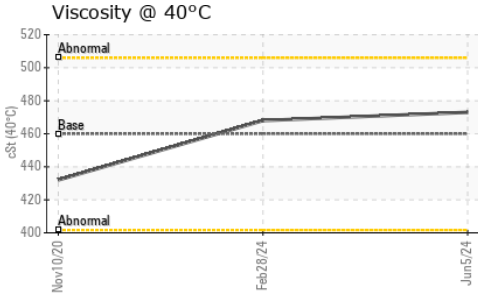
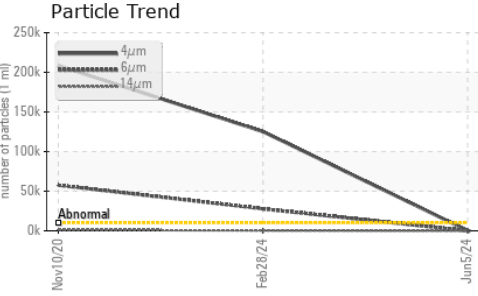
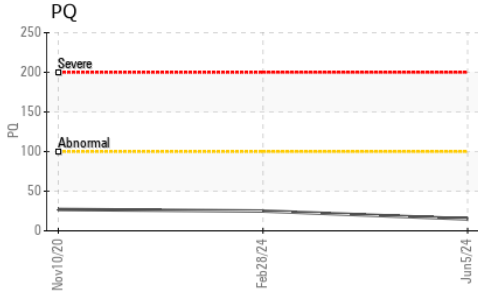
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	<1
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		363	485	345
Zinc	ppm	ASTM D5185m		11	0	0
Sulfur	ppm	ASTM D5185m		1809	2261	1697

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	8	24	8
Sodium	ppm	ASTM D5185m		<1	<1	2
Potassium	ppm	ASTM D5185m	>20	<1	<1	0

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	237	▲ 125160	▲ 208562
Particles >6µm		ASTM D7647	>2500	74	▲ 27728	▲ 57533
Particles >14µm		ASTM D7647	>160	13	▲ 343	▲ 1132
Particles >21µm		ASTM D7647	>40	5	42	▲ 170
Particles >38µm		ASTM D7647	>10	1	1	9
Particles >71µm		ASTM D7647	>3	0	0	2
Oil Cleanliness		ISO 4406 (c)	>20/18/14	15/13/11	▲ 24/22/16	▲ 25/23/17



OIL ANALYSIS REPORT

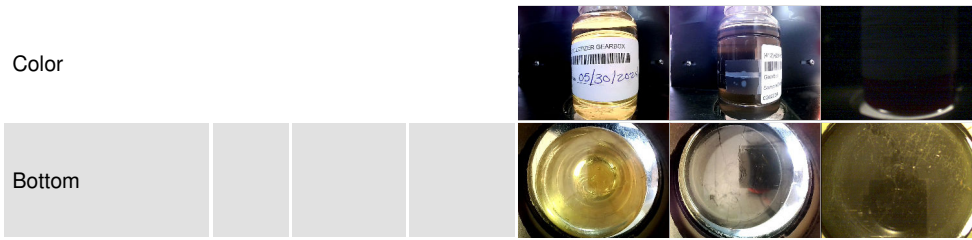


FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.96	0.97	1.106

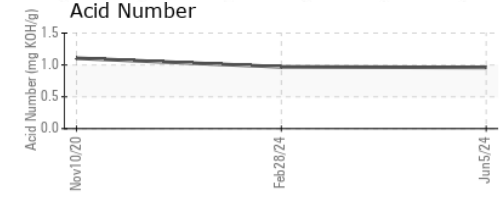
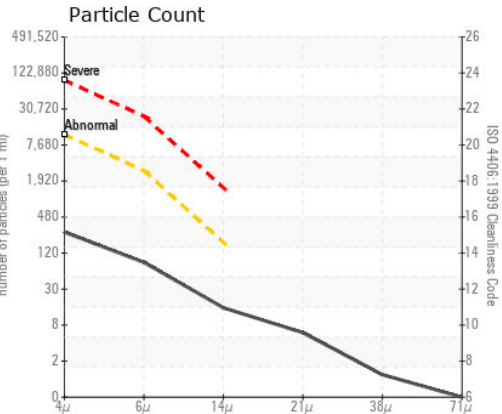
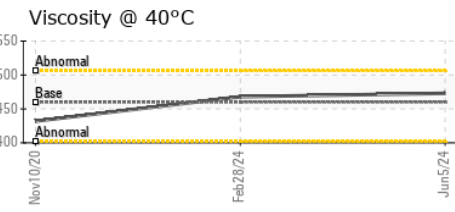
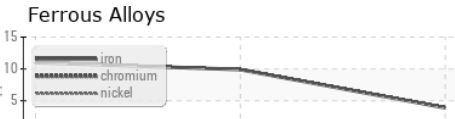
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	473	468	432

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0912143 **Received** : 06 Jun 2024
Lab Number : **06201390** **Tested** : 07 Jun 2024
Unique Number : 11063513 **Diagnosed** : 07 Jun 2024 - Wes Davis
Test Package : IND 2 (Additional Tests: PQ, PrtCount)

BRIDGESTONE FIRESTONE - DES MOINES
 4600 NW 2ND AVE
 DES MOINES, IA 50313
 Contact: SCOTT CARTER
 CarterScottA@FirestoneAg.com

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)

T: x:
F: x: