

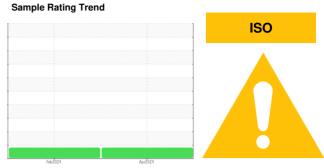
OIL ANALYSIS REPORT

412Machine Id

71 DISCHARGE GEARBOX

Component Gearbox

MOBIL MOBILGEAR SHC 460 (175 GAL)



DIAGNOSIS

Recommendation

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

All component wear rates are normal.

Contamination

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

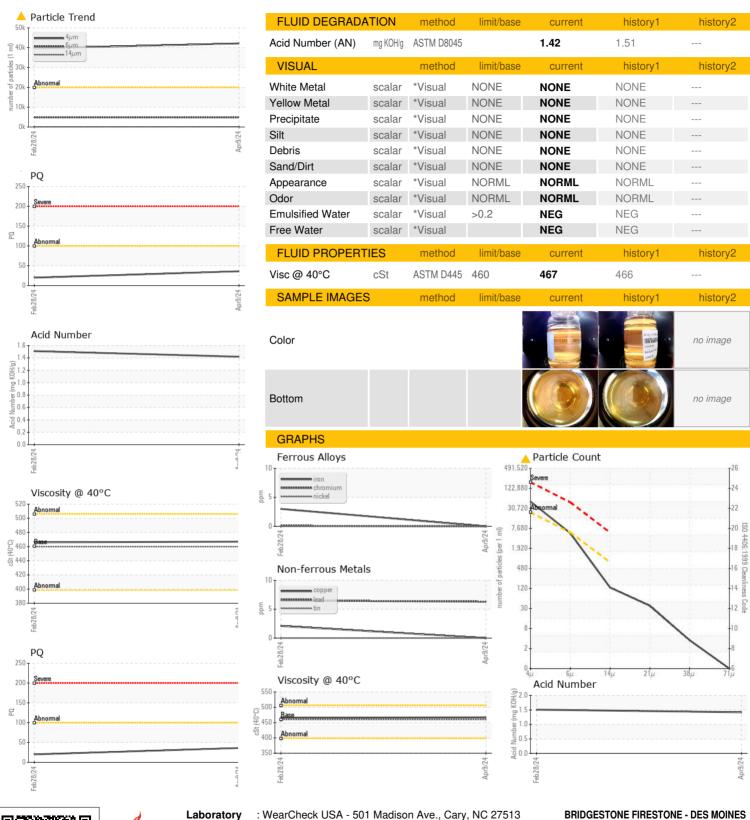
Fluid Condition

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

			Feb 2024	Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info	minu bass	WC0912090	WC0838911	
Sample Number		Client Info		09 Apr 2024	28 Feb 2024	
Machine Age	yrs	Client Info		03 Apr 2024 0	0	
Oil Age	yrs	Client Info		0	8	
Oil Changed	y.0	Client Info		Not Changd	Not Changd	
Sample Status				ABNORMAL	ATTENTION	
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		36	20	
Iron	ppm	ASTM D5185m	>200	0	3	
Chromium	ppm	ASTM D5185m	>15	0	<1	
Nickel	ppm	ASTM D5185m	>15	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	0	<1	
Lead	ppm	ASTM D5185m	>100	6	6	
Copper	ppm	ASTM D5185m	>200	0	2	
Tin	ppm	ASTM D5185m	>25	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	<1	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		3	0	
Calcium	ppm	ASTM D5185m		37	3	
Phosphorus	ppm	ASTM D5185m		466	506	
Zinc	ppm	ASTM D5185m		6	0	
Sulfur	ppm	ASTM D5185m		2604	2416	
CONTAMINANTS	i	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	8	10	
Sodium	ppm	ASTM D5185m		0	<1	
Potassium	ppm	ASTM D5185m	>20	0	<1	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	42144	39730	
Dantialas Com		ASTM D7647	>5000	4794	4827	
Particles >6µm		A01101 D7047		-		
Particles >6µm Particles >14µm		ASTM D7647	>640	113	65	
			>640 >160	113 32		
Particles >14μm		ASTM D7647			65	
Particles >14μm Particles >21μm		ASTM D7647 ASTM D7647	>160 >40	32	65 12	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number

: WC0912090 : 06148544 Unique Number : 10978622

Received **Tested** Diagnosed

: 15 Apr 2024 : 16 Apr 2024 Test Package: IND 2 (Additional Tests: PQ, PrtCount)

: 17 Apr 2024 - Don Baldridge

4600 NW 2ND AVE DES MOINES, IA US 50313 Contact: SCOTT CARTER

CarterScottA@FirestoneAg.com

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