

PROBLEM SUMMARY

Sample Rating Trend

WEAR

X

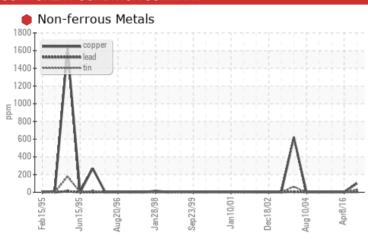
46 BROWN STOCK Machine Id 1A LINE WASHER - REDUCER (S/N 465101)

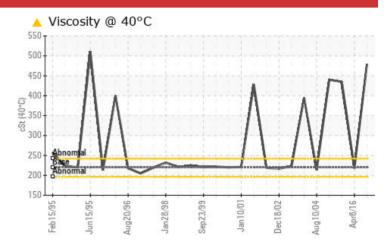
Component

Gear Reducer

MOBIL MOBILGEAR 600 XP 220 (5 GAL)

COMPONENT CONDITION SUMMARY





RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE	NORMAL	ABNORMAL		
Copper	ppm	ASTM D5185(m)	>50	9 9	<1	1		
Tin	ppm	ASTM D5185(m)	>5	29	0	<1		
Visc @ 40°C	cSt	ASTM D7279(m)	220	479	218	435		

Customer Id: STANAC Sample No.: WC Lab Number: 02605458 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Kevin Marson +1 (289)291-4644 x4644 Kevin.Marson@wearcheck.com

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Change Fluid			?	We recommend that you drain the oil from the component if this has not already been done.		
Resample			?	We recommend an early resample to monitor this condition.		
Check Fluid Source			?	Confirm the source of the lubricant being utilized for top-up/fill.		

HISTORICAL DIAGNOSIS

08 Apr 2016 Diag: Wes Davis

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



29 Jul 2010 Diag: Kevin Marson

18 Jan 2010 Diag: Bill Quesnel

VISCOSITY



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. Viscosity of sample indicates oil is within ISO 460 range, advise investigate. The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil.

View report





We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The wear metals levels (ppm values) are normal, however, the ferrogram contained moderate quantities of ferrous red oxide (rust) particles. Red oxides are more commonly reffered to as rust and are typically caused by water present in the lubricant (either currently or in the recent past). There is no indication of any contamination in the component. The condition of oil is suitable for further service. Viscosity of sample indicates oil is within ISO 460 range, advise investigate.



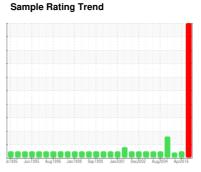


OIL ANALYSIS REPORT

46 BROWN STOCK 1A LINE WASHER - REDUCER (S/N 465101)

Gear Reducer

MOBIL MOBILGEAR 600 XP 220 (5 GAL)





DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

Wear

Copper and tin ppm levels are severe.

Contamination

There is no indication of any contamination in the

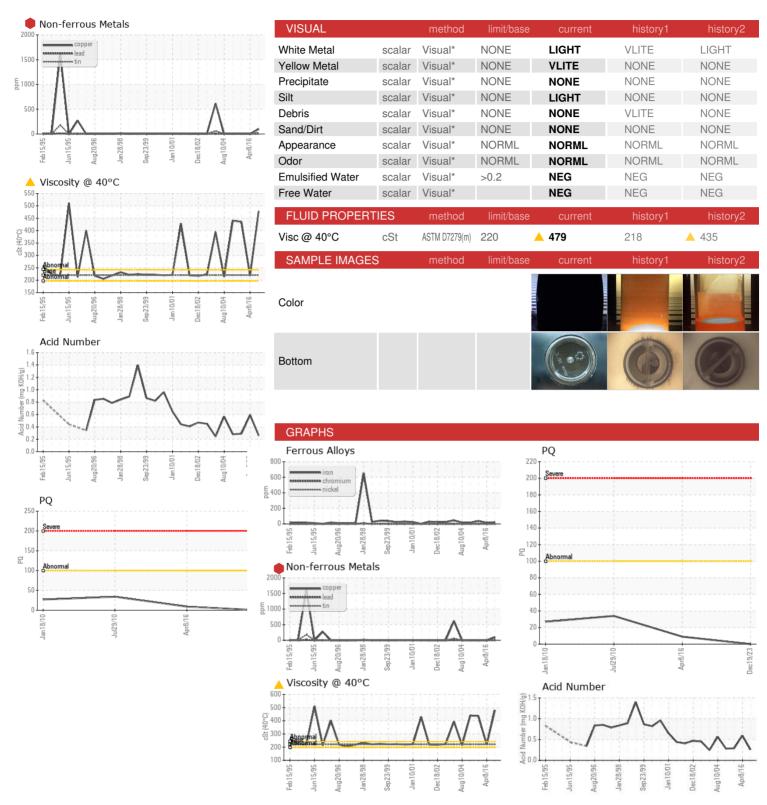
▲ Fluid Condition

Viscosity of sample indicates oil is within ISO 460 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

		b1995 Jun19	95 Aug1996 Jan1998 S	ep1999 Jan2001 Dec2002 Aug20	04 Apr2016	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		wc	WC	WC782365
Sample Date		Client Info		19 Dec 2023	08 Apr 2016	29 Jul 2010
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	NORMAL	ABNORMAL
CONTAMINATIO	N	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*		0	9	34
Iron	ppm	ASTM D5185(m)	>250	20	16	36
Chromium	ppm	ASTM D5185(m)	>5	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	1	0	<1
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<1	0	<1
Lead	ppm	ASTM D5185(m)	>50	4	0	<1
Copper	ppm	ASTM D5185(m)	>50	99	<1	1
Tin	ppm	ASTM D5185(m)	>5	9 29	0	<1
Antimony	ppm	ASTM D5185(m)	>5	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1	34	8
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		0	<1	0
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		<1	0	<1
Calcium	ppm	ASTM D5185(m)		<1	3	7
Phosphorus	ppm	ASTM D5185(m)		408	331	▲ 739
Zinc	ppm	ASTM D5185(m)		19	1	4
Sulfur	ppm	ASTM D5185(m)		106	13595	▲ 1012
Lithium	ppm	ASTM D5185(m)		2	<1	
CONTAMINANTS	\$	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>60	13	3	16
Sodium	ppm	ASTM D5185(m)		1	<1	1
Potassium	ppm	ASTM D5185(m)	>20	1	0	<1
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.26	0.59	▲ 0.29



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number **Unique Number** Test Package

: WC 02605458

: 5698543 : IND 2

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : 27 Dec 2023 Recieved Diagnosed Diagnostician

: 28 Dec 2023 : Kevin Marson

AV GROUP NB INC. 103 PINDER ROAD,, NACKAWIC MILL NACKAWIC, NB

CA E6G 1W4

Contact: Basil Fadulalla basil.fadulalla@adityabirla.com T:

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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