

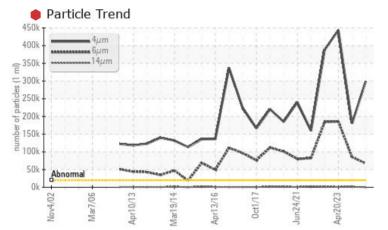
PROBLEM SUMMARY

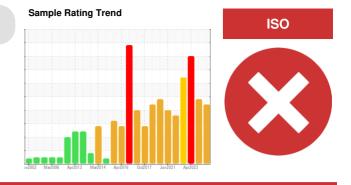
Area Lime Kilns Route #1 Machine Id PHILIDELPHIA 185HP-3 102311 Kiln #1 Main Drive Reducer Component

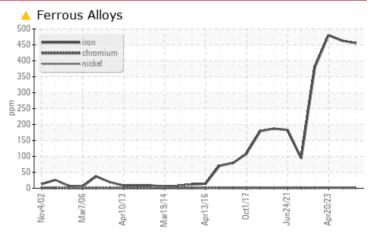
Gear Reducer

MOBIL MOBILGEAR 600 XP 320 (50 GAL)

COMPONENT CONDITION SUMMARY







RECOMMENDATION

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	SEVERE	SEVERE			
Iron	ppm	ASTM D5185(m)	>150	<u> </u>	4 63	<u> </u>			
Particles >4µm		ASTM D7647	>20000	e 298828	180403	443697			
Particles >6µm		ASTM D7647	>5000	67355	e 85335	185770			
Oil Cleanliness		ISO 4406 (c)	>21/19/16	e 25/23/14	• 25/24/18	• 26/25/17			

Customer Id: BEAING Sample No.: WC0877626 Lab Number: 02609138 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 <u>Kevin.Marson@wearcheck.com</u>

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

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Change Filter			?	We recommend you service the filters on this component.			
Resample			?	Resample in 30-45 days to monitor this situation.			
Check Breathers			?	The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather.			
Check Seals			?	Check seals and/or filters for points of contaminant entry.			

HISTORICAL DIAGNOSIS

16 Nov 2023 Diag: Kevin Marson

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.







ISO

We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We advise that you use off-line filtration with water adsorbent filters to attempt to remove the water from this oil. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is a high amount of silt (particulates < 14 microns in size) present in the oil. There is a moderate concentration of water present in the oil. Free water present. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.





08 Oct 2022 Diag: Kevin Marson

We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We advise that you use off-line filtration with water adsorbent filters to attempt to remove the water from this oil. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. Particles >6µm are severely high. Oil Cleanliness are severely high. Particles >4µm are severely high. Particles >14µm are abnormally high. There is a moderate concentration of water present in the oil. Free water present. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.





OIL ANALYSIS REPORT

Area Lime Kilns Route #1 Machine Id PHILIDELPHIA 185HP-3 102311 Kiln #1 Main Drive Reducer Component

Gear Reducer

Fluid MOBIL MOBILGEAR 600 XP 320 (50 GAL)

DIAGNOSIS

Recommendation

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.

🔺 Wear

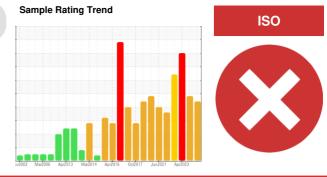
Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion.

Contamination

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

Fluid Condition

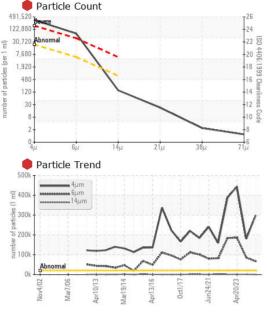
The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

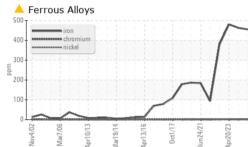


SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0877626	WC0868737	WC0804941
Sample Date		Client Info		12 Dec 2023	16 Nov 2023	20 Apr 2023
Machine Age	yrs	Client Info		0	0	0
Oil Age	yrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	SEVERE	SEVERE
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		19	31	43
Iron	ppm	ASTM D5185(m)	>150	<u> </u>	4 63	<u> </u>
Chromium	ppm	ASTM D5185(m)	>10	1	1	2
Nickel	ppm	ASTM D5185(m)	>10	3	2	3
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>100	0	<1	<1
Copper	ppm	ASTM D5185(m)	>50	1	1	2
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Antimony	ppm	ASTM D5185(m)	>5	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		15	15	20
Barium	ppm	ASTM D5185(m)		1	2	1
Molybdenum	ppm	ASTM D5185(m)		0	0	<1
Manganese	ppm	ASTM D5185(m)		6	6	8
Magnesium	ppm	ASTM D5185(m)		6	5	8
Calcium	ppm	ASTM D5185(m)		33	32	38
Phosphorus	ppm	ASTM D5185(m)		306	304	335
Zinc	ppm	ASTM D5185(m)		7	7	11
Sulfur	ppm	ASTM D5185(m)		11379	11089	10915
Lithium	ppm	ASTM D5185(m)		7	7	9
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	4	4	6
Sodium	ppm	ASTM D5185(m)		<1	<1	1
Potassium	ppm	ASTM D5185(m)	>20	3	3	4



OIL ANALYSIS REPORT





Aar19/14

pr13/16

Acid Number

Viscosity @ 40°C

hnr10/1

Mar19/1

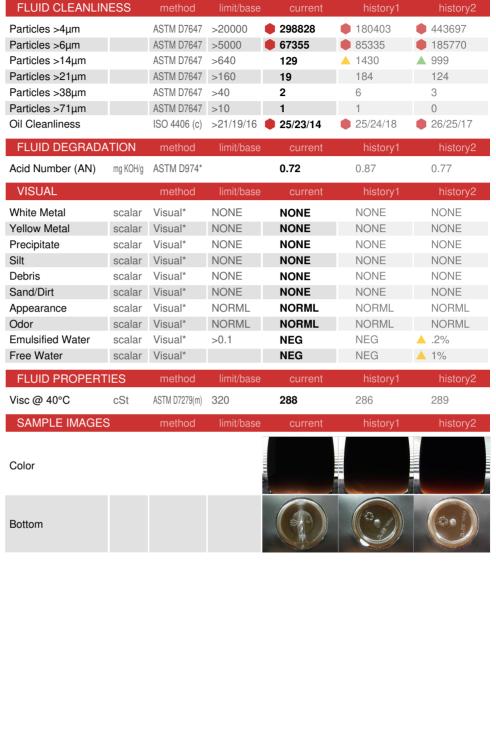
Apr13/16

Det1/1

1.0 (B/HO)

0.60 Windows (mg 0.40 North 10 North 10

400 350 Abnorma 300 Abnorma



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CARMEUSE LIME** CALA 374681 OXFORD COUNTY ROAD 6,, P.O. BOX 190 Sample No. : WC0877626 Recieved : 16 Jan 2024 Lab Number : 02609138 Diagnosed INGERSOLL, ON : 17 Jan 2024 ISO 17025:2017 Accredited Unique Number : 5710224 Diagnostician : Kevin Marson CA N5C 3K5 Laboratory Test Package : IND 2 (Additional Tests: PQ, PrtCount) Contact: Jeff Geddes jeff.geddes@carmeusena.com 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. T: (519)423-6283 Validity of results and interpretation are based on the sample and information as supplied. F: (519)423-6568

Report Id: BEAING [WCAMIS] 02609138 (Generated: 01/17/2024 09:04:52) Rev: 1

pr20/23

un24/21

un24/21

ct1/1

Contact/Location: Jeff Geddes - BEAING

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