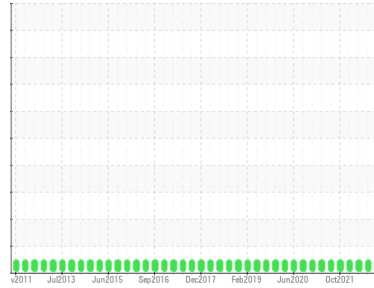




GREASE ANALYSIS

Sample Rating Trend

NORMAL



Area
STARBOARD CRANE
 Machine Id
58-W-7645 STBD CRANE SLEW BEARING GREASE (S/N Maint Plan 28275)
 Component
Port Grease
 Fluid
ESSO UNIREX EP-2 GREASE (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Grease Condition

The condition of the grease is acceptable for the time in service.

Contaminants

There is no indication of any contamination in the grease.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0711732	WC0590097	WC0590094
Sample Date	Client Info		26 Jul 2023	15 May 2022	18 Jan 2022
Machine Age	days	Client Info	0	0	0
Grease Age	days	Client Info	0	0	0
Grease Serviced	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2	
PQ	ASTM D8184*	>200	1630	1580	5330	
Iron	ppm	ASTM D5185(m)	>250	141	194	190
Chromium	ppm	ASTM D5185(m)	>10	2	3	3
Nickel	ppm	ASTM D5185(m)	>5	3	4	4
Cadmium	ppm	ASTM D5185(m)		0	<1	<1
Titanium	ppm	ASTM D5185(m)		<1	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Lead	ppm	ASTM D5185(m)	>25	1	3	2
Copper	ppm	ASTM D5185(m)	>75	<1	1	<1
Tin	ppm	ASTM D5185(m)	>5	0	0	0
Silver	ppm	ASTM D5185(m)	>5	<1	<1	<1

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	2	2	3	6
Magnesium	ppm	ASTM D5185(m)	0	<1	<1	4
Manganese	ppm	ASTM D5185(m)	0	1	2	2
Molybdenum	ppm	ASTM D5185(m)	5	21	27	29
Phosphorus	ppm	ASTM D5185(m)	75	88	106	116
Zinc	ppm	ASTM D5185(m)	75	128	165	186
Antimony	ppm	ASTM D5185(m)	2	<1	2	3

THICKENER/SOAP

	method	limit/base	current	history1	history2	
Aluminum	ppm	ASTM D5185(m)	0	<1	<1	<1
Barium	ppm	ASTM D5185(m)	100	83	88	106
Calcium	ppm	ASTM D5185(m)	200	54	64	73
Sodium	ppm	ASTM D5185(m)	10	3	4	24
Lithium	ppm	ASTM D5185(m)		250	300	445
Sulfur	ppm	ASTM D5185(m)	1100	598	723	825

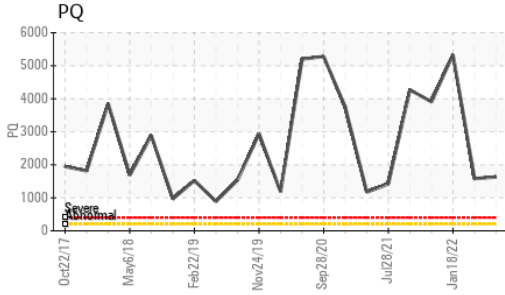
CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>150	2	3	3
Potassium	ppm	ASTM D5185(m)		<1	1	2

GREASE CONDITION

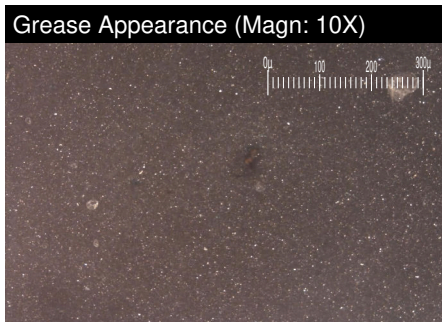
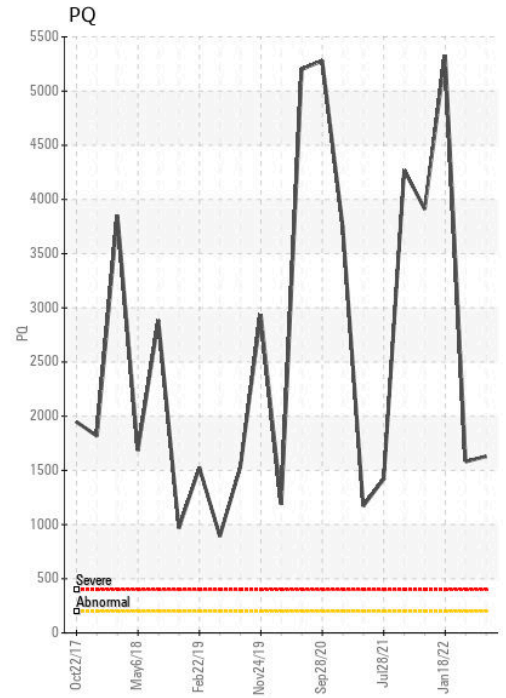
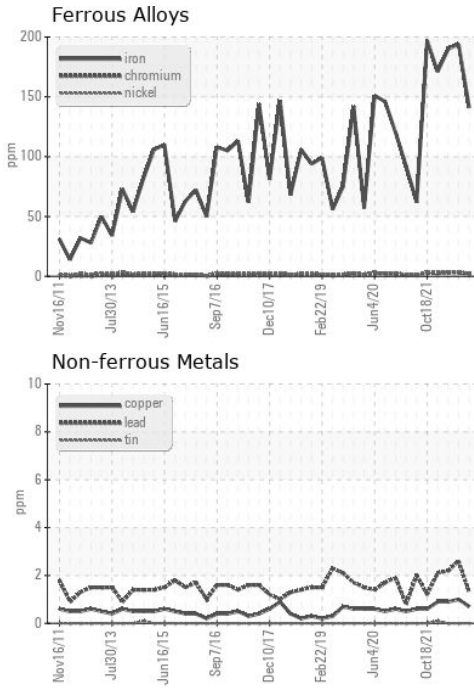
	method	limit/base	current	history1	history2
Grease Color	Visual*	Green	Burgundy	Burgundy	Brown
Texture	In-house*		Short fiber	Short fiber	Short fiber
NLGI Consistency	NLGI Scale SKF Method*	2	2	2	2-3

GREASE ANALYSIS



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					
PrtFilter					

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 HUSKY SEA ROSE /AKER SOLUTIONS
Sample No. : WC0711732 **Received** : 05 Sep 2023
Lab Number : **02580543** **Diagnosed** : 07 Sep 2023
Unique Number : 5633603 **Diagnostician** : Bill Quesnel
Test Package : GRS 1 (Additional Tests: BottomAnalysis)

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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