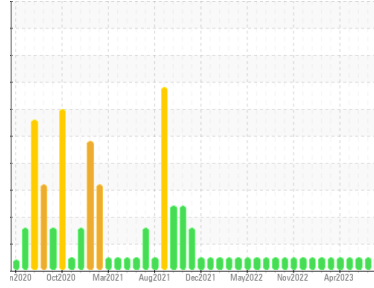


Area
ENGINE ROOM FLOOR
Machine Id
22-BE-6462C-01 PROPELLER SHAFT BEARING (S/N Maint Plan 22480)
Component
Starboard Bearing
Fluid
MOBIL MOBILGARD 412 (12 LTR)



DIAGNOSIS

Recommendation
Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
The water content is negligible. There is no indication of any contamination in the oil.

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	PC	PP	PP
Sample Date	Client Info	18 Jul 2023	27 Jun 2023	23 May 2023
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		NORMAL	NORMAL	NORMAL

WEAR METALS method limit/base current history1 history2

PQ	ASTM D8184*		0	0	12
Iron	ppm ASTM D5185(m)	>20	3	2	3
Chromium	ppm ASTM D5185(m)	>2	0	0	0
Nickel	ppm ASTM D5185(m)	>2	0	0	0
Titanium	ppm ASTM D5185(m)		0	0	0
Silver	ppm ASTM D5185(m)		<1	0	0
Aluminum	ppm ASTM D5185(m)	>5	2	2	2
Lead	ppm ASTM D5185(m)	>25	0	0	0
Copper	ppm ASTM D5185(m)	>5	<1	<1	<1
Tin	ppm ASTM D5185(m)	>15	<1	<1	<1
Antimony	ppm ASTM D5185(m)		0	0	0
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)	0	1	1	2
Barium	ppm ASTM D5185(m)	0	0	0	0
Molybdenum	ppm ASTM D5185(m)	0	<1	<1	<1
Manganese	ppm ASTM D5185(m)	0	<1	<1	<1
Magnesium	ppm ASTM D5185(m)	18	22	22	22
Calcium	ppm ASTM D5185(m)	6350	6053	6003	6076
Phosphorus	ppm ASTM D5185(m)	200	219	232	223
Zinc	ppm ASTM D5185(m)	380	358	359	354
Sulfur	ppm ASTM D5185(m)	6950	4936	4963	4866
Lithium	ppm ASTM D5185(m)		<1	<1	<1

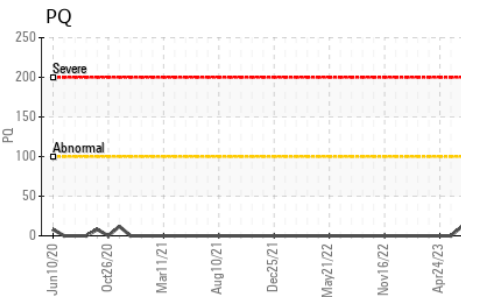
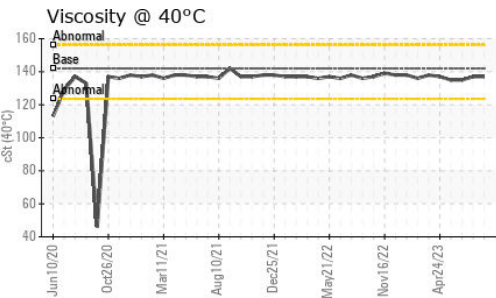
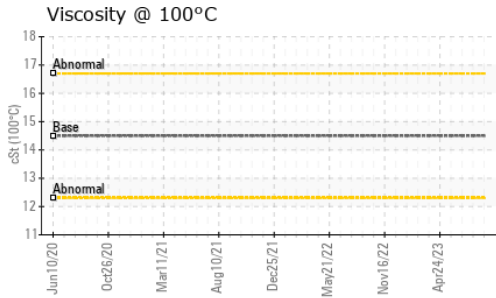
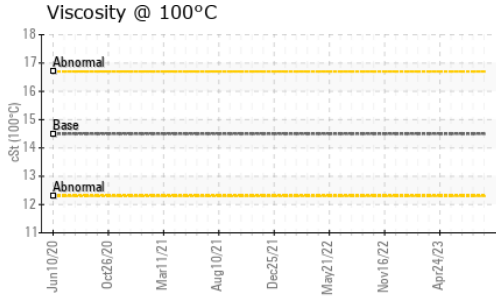
CONTAMINANTS method limit/base current history1 history2

Silicon	ppm ASTM D5185(m)	>15	10	11	11
Sodium	ppm ASTM D5185(m)		1	<1	<1
Potassium	ppm ASTM D5185(m)	>20	1	<1	<1

FLUID DEGRADATION method limit/base current history1 history2

Acid Number (AN)	mg KOH/g ASTM D974*	1.25	1.15	1.11	1.07
------------------	---------------------	------	-------------	------	------

OIL ANALYSIS REPORT



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	VLITE	VLITE
Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	142	137	135
Visc @ 100°C	cSt	ASTM D7279(m)	14.5	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	100	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS	
<p>Ferrous Alloys</p>	<p>PQ</p>
<p>Non-ferrous Metals</p>	<p>Acid Number</p>
<p>Viscosity @ 40°C</p>	



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 HUSKY SEA ROSE /AKER SOLUTIONS
Sample No. : PC **Received** : 08 Aug 2023
Lab Number : 02574495 **Diagnosed** : 09 Aug 2023
Unique Number : 5619546 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: KV100, TAN Man, VI)
 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.

PO BOX 20
 ST. JOHN'S, NL
 CA A1C 6C9
 Contact: Maintenance Supervisor
 maintsuper.searose@huskyenergy.ca
 T: x:
 F: x: