WEAR
CONTAMINATION
FLUID CONDITION

ABNORMAL NORMAL NORMAL

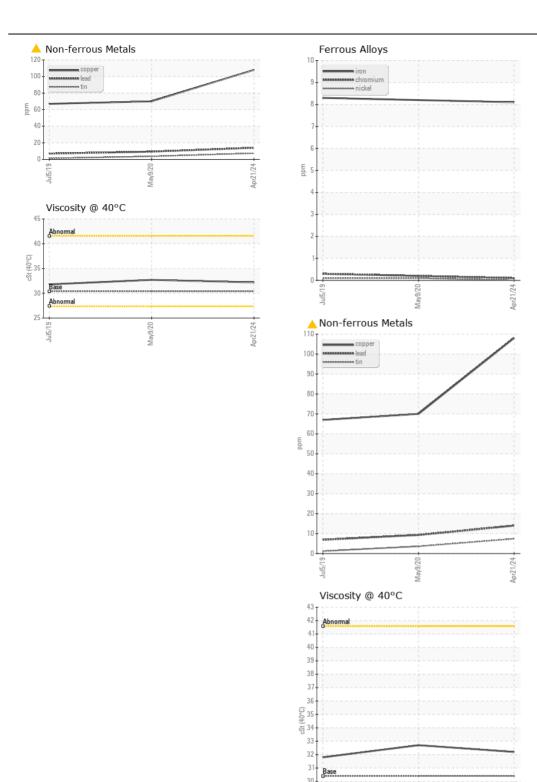
Machine Id

MAIN HYDRO

Component

Main Hydraulic System

RECOMMENDATION	Toot	11014	Motherd	Limit/Ales-	C	I lioto4	Lliatamio
No corrective action is recommended at this time. We recommend an early resample to monitor this condition.	Test Sample Number	UOM	Method Client Info	Limit/Abn	Current KL0011440	History1 KLMFA22186	History2 KLMFA16526
	•		Client Info		21 Apr 2024		05 Jul 2019
	Sample Date Machine Age	mths	Client Info		0	09 May 2020 0	05 341 2018
	Oil Age	mths	Client Info		0	0	0
	Filter Age	mths	Client Info		0	6	0
	Oil Changed	111(110	Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR The lead level is abnormal. The copper level is abnormal.	Iron	ppm	ASTM D5185m		8	8	8
	Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
	Nickel	ppm	ASTM D5185m	>10	0	<1	<1
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		0	0	0
	Lead	ppm	ASTM D5185m		<u> </u>	9	7
	Copper	ppm	ASTM D5185m		<u> </u>	70	67
	Tin	ppm	ASTM D5185m	>10	7	4	1
	Vanadium	ppm	ASTM D5185m	NONE	0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	<1	<1	<1
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	0	1	0
	Water		WC Method	>0.1	NEG	NEG	NEG
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		4	<1	<1
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		0	0	<1
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		0	0	0
	Manganese	ppm	ASTM D5185m		<1	<1	0
	Magnesium	ppm	ASTM D5185m		<1	<1	0
	Calcium	ppm	ASTM D5185m		29	26	26
	Phosphorus	ppm	ASTM D5185m		326	316	312
	Zinc	ppm	ASTM D5185m		314	301	336
	Sulfur	ppm	ASTM D5185m		854	870	1391
	Visc @ 40°C	cSt	ASTM D445	30.4	32.2	32.7	31.8







Certificate L2367

Laboratory Sample No.

: KL0011440 Lab Number : 06157161 Unique Number: 10992584 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Apr 2024 **Tested** : 23 Apr 2024

Diagnosed

: 25 Apr 2024 - Jonathan Hester

US 99615 Contact: FRANKE BROWN frankelbrown@yahoo.com T: (907)942-9359 F: (907)481-1697

VANGUARD FISHERIES LLC

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

* - 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)

Report Id: VANKOD [WUSCAR] 06157161 (Generated: 04/25/2024 11:03:57) Rev: 1

Contact/Location: FRANKE BROWN - VANKOD

PO BOX 275

KODIAK, AK