OIL ANALYSIS REPORT

WEAR CONTAMINATION FLUID CONDITION

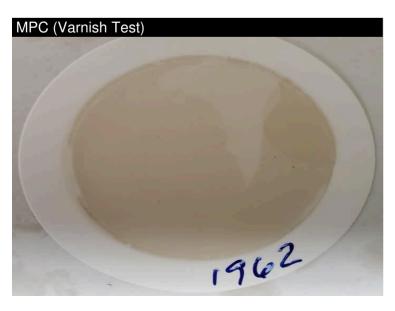
NORMAL MARGINAL NORMAL

Machine Id

KING KONG (S/N H35A0200018)

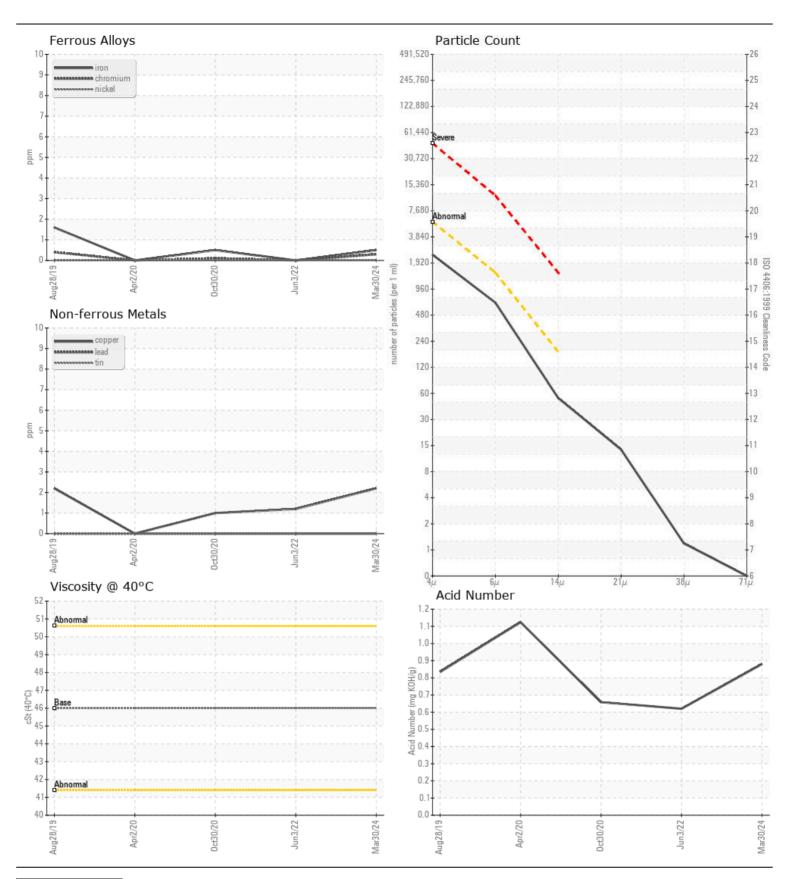
Hydraulic System

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory data and diagnostic comment updates.	Sample Number		Client Info		TR06151962		TR05106326
	Sample Date		Client Info		30 Mar 2024	03 Jun 2022	30 Oct 2020
	Machine Age	hrs	Client Info		119716	4416	3360
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Not Changd	Not Changd	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				MARGINAL	NORMAL	NORMAL
WEAR							,
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m		<1	0	<1
	Chromium	ppm	ASTM D5185m		<1	0	<1
	Nickel	ppm	ASTM D5185m	>10	0	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	10	0	<1	<1
	Aluminum	ppm	ASTM D5185m		0	0	0
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m		2	1	
	Tin	ppm	ASTM D5185m	>10	0	0	0
	Vanadium	ppm	ASTM D5185m	NONE	0 NONE	0	0
	White Metal Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Tellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	<1	<1	0
OUTAIMINATION	Potassium	ppm	ASTM D5185m		10	0	0
MPC (Membrane Patch Colorimetry) test indicates a light concentration of varnish present. The amount and size of particulates present in the system are acceptable.	Water	рр	WC Method		NEG	NEG	NEG
	MPC Varnish Potential	Scale	ASTM D7843		<u> 16</u>		
	Particles >4µm		ASTM D7647		2091	3499	622
	Particles >6µm		ASTM D7647		587	1091	171
	Particles >14µm		ASTM D7647		47	97	13
	Particles >21µm		ASTM D7647	>40	12	23	4
	Particles >38µm		ASTM D7647	>10	1	2	1
	Particles >71µm		ASTM D7647	>3	0	0	0
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/16/13	19/17/14	16/15/1
	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	NORMI
	Odor	scalar	*Visual	NORML	NORML	NORML	NORMI
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
ELLUD COMPITION							
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	0	<1
The AN level is acceptable for this fluid.	Boron	ppm	ASTM D5185m		0	0	2
THE AN level is acceptable for this fluid.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		0	0	0
	Manganese	ppm	ASTM D5185m		0	0	0
	Magnesium	ppm	ASTM D5185m		0	0	<1
	Calcium	ppm	ASTM D5185m		72 650	85 709	100
	Phosphorus Zinc	ppm	ASTM D5185m ASTM D5185m		658 769	708 930	779 964
	Sulfur	ppm			768 1742	1769	1699
	Acid Number (AN)	ppm	ASTM D5185m ASTM D8045		0.88	0.62	0.658
	Visc @ 40°C	mg KOH/g cSt		16	0.88 47.2	0.62	0.658
	VISC @ 40°C	COL	ASTM D445	40	41.2		
	Visc @ 100°C	cSt	ASTM D445	63	7.2	7.1	7.1





Report Id: PELTORCA [WUSCAR] 06151962 (Generated: 05/12/2024 16:05:43) Rev: 2





Laboratory Sample No. Unique Number : 10982040

: TR06151962 Lab Number : 06151962

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 17 Apr 2024 **Tested** Diagnosed

: 12 May 2024

: 12 May 2024 - Doug Bogart

Contact: NORMAN MASSON

PELICAN PRODUCTS INC

23215 EARLY AVE

TORRANCE, CA

US 90505

T: F:

Test Package: MOB 2 (Additional Tests: KV100, MPC, VI) To discuss this sample report, contact Customer Service at 1-800-827-0711.

* - 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)

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