WEAR CONTAMINATION **FLUID CONDITION**

NORMAL SEVERE NORMAL

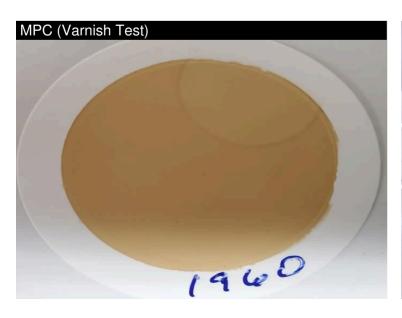
OIL ANALYSIS REPORT

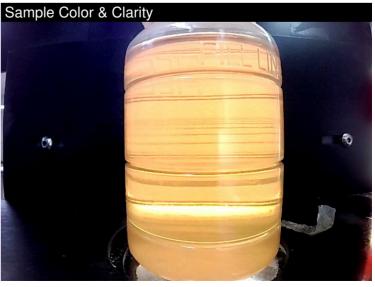
Machine Id

BABY (S/N H08A0498022)

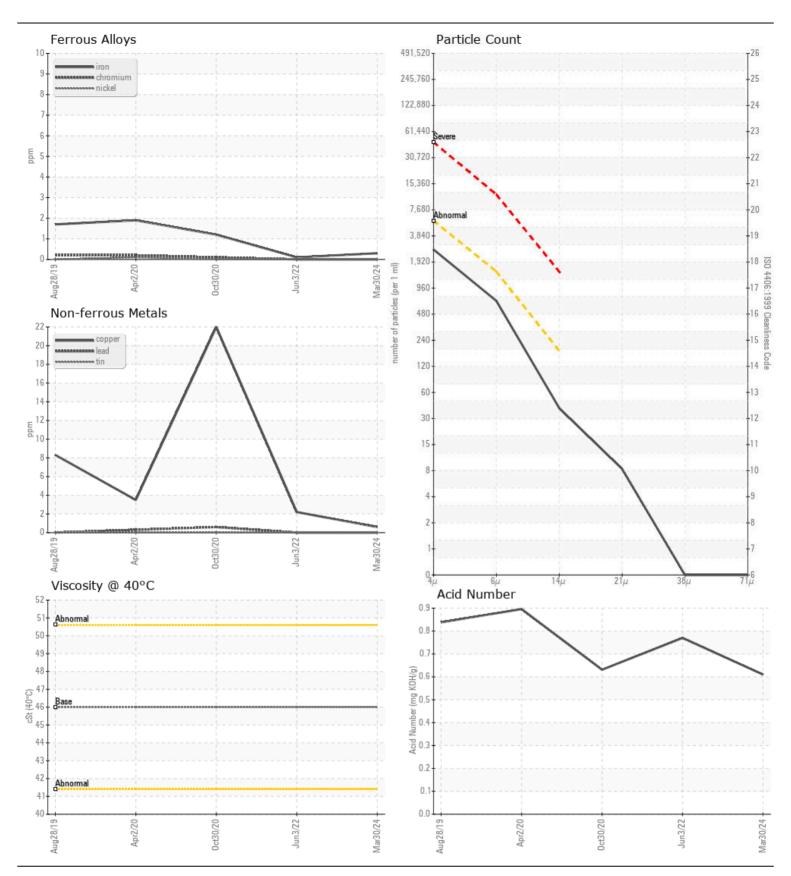
Hydraulic System

RECOMMENDATION We recommend that you use depth or electrostatic filtration to remove insolubles from the oil and to reduce the levels of varnish in the	Test	UOM	NA II I				
· ·		OOW	Method	Limit/Abn	Current	History1	History2
· ·	Sample Number		Client Info		TR06151960	TR05563495	TR0510632
insolubles from the oil and to reduce the levels of varnish in the	Sample Date		Client Info		30 Mar 2024	03 Jun 2022	30 Oct 202
system. Alternatively draining a percentage of the oil and topping up with fresh oil (sweetening the oil) may provide a reduction in the varnish potential level. Please note that this is a corrected copy for laboratory data and diagnostic comment updates.	Machine Age	hrs	Client Info		140112	5760	10120
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Not Changd	Not Changd	Not Chang
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				SEVERE	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>20	<1	<1	1
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	0	0	<1
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		Ō	<1	1
	Aluminum	ppm	ASTM D5185m	>10	0	0	0
	Lead	ppm	ASTM D5185m		0	0	<1
	Copper	ppm	ASTM D5185m		<1	2	22
	Tin	ppm	ASTM D5185m		0	0	0
	Vanadium	ppm	ASTM D5185m		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	0	<1	0
	Potassium	ppm	ASTM D5185m	>20	11	0	0
MPC (Membrane Patch Colorimetry) test indicates a high concentration of varnish present. The amount and size of particulates present in the system are acceptable.	Water		WC Method	>0.1	NEG	NEG	NEG
	MPC Varnish Potential	Scale	ASTM D7843	>15	4 3		
	Particles >4µm		ASTM D7647	>5000	2332	4202	1899
	Particles >6µm		ASTM D7647	>1300	599	862	459
	Particles >14µm		ASTM D7647	>160	35	62	50
	Particles >21µm		ASTM D7647	>40	7	13	16
	Particles >38µm		ASTM D7647	>10	0	2	2
	Particles >71µm		ASTM D7647	>3	0	0	0
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/16/12	19/17/13	18/16/1
	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
ELUID CONDITION	Sodium	nnm	ACTM DE195m		1	0	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	0	<1
The AN level is acceptable for this fluid.	Boron Barium	ppm	ASTM D5185m ASTM D5185m		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			86	98	83
	Phosphorus	ppm	ASTM D5185m ASTM D5185m		640	707	734
	Zinc	ppm	ASTM D5185m		779	938	907
		ppm	חוונסו נע ואוז טא				
		nnm	ACTM DE10E-		1600	17//	1600
	Sulfur	ppm	ASTM D5185m		1682	1744	1698
	Sulfur Acid Number (AN)	mg KOH/g	ASTM D8045	16	0.61	0.77	0.631
	Sulfur						





Report Id: PELTORCA [WUSCAR] 06151960 (Generated: 05/12/2024 16:05:28) Rev: 2





Laboratory Sample No. Unique Number: 10982038

Lab Number : 06151960

: TR06151960

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

Diagnosed

: 12 May 2024 : 12 May 2024 - Doug Bogart

: 17 Apr 2024

Contact: NORMAN MASSON

Test Package: MOB 2 (Additional Tests: KV100, MPC, VI) Certificate L2367 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)

T: F:

PELICAN PRODUCTS INC

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TORRANCE, CA

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