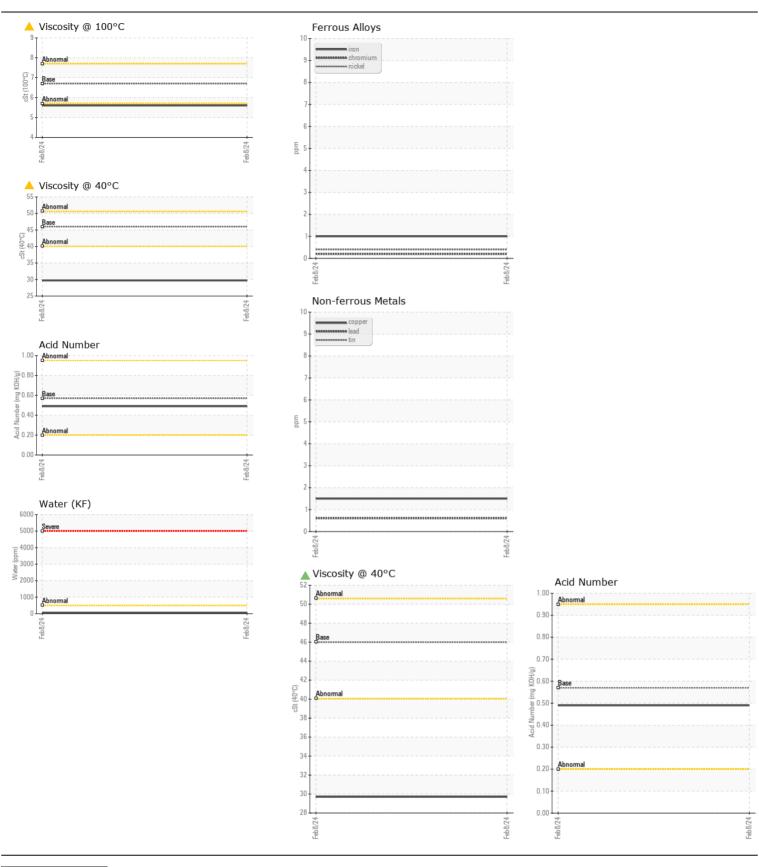


**WEAR CONTAMINATION FLUID CONDITION** 

**NORMAL ABNORMAL ATTENTION** 

## **BAILEY CYL 288-308/NSL02006WT0623 - MCELROY**

Component Hydraulic System Fluid							
AW HYDRAULIC OIL ISO 46 ( GAL)  RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.	Sample Number	00	Client Info	2	TO10001944		
	Sample Date		Client Info		08 Feb 2024		
	Machine Age	hrs	Client Info		0		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed	1113	Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status		Ciletit iiiio		ABNORMAL		
	Sample Status				ADNURWAL		
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m	>20	1		
	Chromium	ppm	ASTM D5185m	>20	<1		
	Nickel	ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>20	2		
	Lead	ppm	ASTM D5185m		- <1		
	Copper	ppm	ASTM D5185m	-	2		
	Tin	ppm	ASTM D5185m		<1		
	Vanadium	ppm	ASTM D5185m	>E0	0		
	White Metal	scalar	*Visual	NONE	LIGHT		
	Yellow Metal	scalar	*Visual	NONE	NONE		
			Visuai		·····		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>15	0		
Moderate concentration of visible dirt/debris present in the oil.	Potassium	ppm	ASTM D5185m	>20	9		
	Water	%	ASTM D6304	>0.05	0.005		
	ppm Water	ppm	ASTM D6304	>500	58		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	▲ MODER		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.05	NEG		
FLUID CONDITION  Viscosity of sample indicates oil is within ISO 32 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.	Sodium	ppm	ASTM D5185m		<1		
	Boron	ppm	ASTM D5185m	5	0		
	Barium	ppm	ASTM D5185m	5	14		
	Molybdenum	ppm	ASTM D5185m	5	1		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m	25	<1		
	Calcium	ppm	ASTM D5185m	200	57		
	Phosphorus	ppm	ASTM D5185m	300	331		
	Zinc	ppm	ASTM D5185m	370	438		
	Sulfur	ppm	ASTM D5185m	2500	842		
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.49		
	Visc @ 40°C	cSt	ASTM D445	46	<b>29.7</b>		
	Visc @ 100°C	cSt	ASTM D445	6.7	▲ 5.6		
	Viscosity Index (VI)	Scale	ASTM D2270	97	129		







Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06086039

: TO10001944

Received **Tested** Unique Number : 10873484

Diagnosed Test Package : IND 2 (Additional Tests: KF, KV100, VI)

: 12 Feb 2024 : 13 Feb 2024 : 13 Feb 2024 - Don Baldridge

**TULCO OILS INC (001-TULSA DIVISION)** 5240 EAST PINE TULSA, OK US 74115 Contact: DYLAN COPE

dylancope@tulco.com

T: (800)375-2347

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)

F: x: