

OIL ANALYSIS REPORT

LCAC-81 **LCAC-81 BOW RAMP**

Port Hydraulic System

MILITARY MIL-L-23699D (--- GAL)

Sample Rating Trend **VIS DEBRIS**

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. 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.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

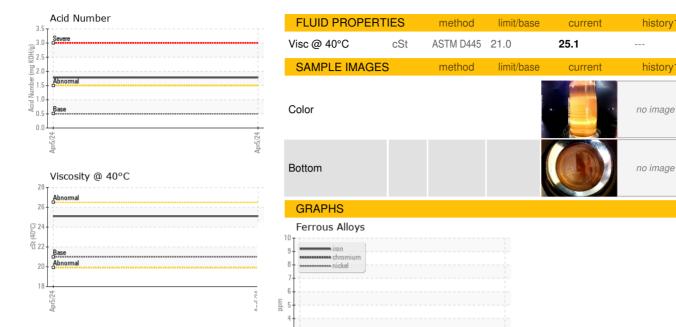
Fluid Condition

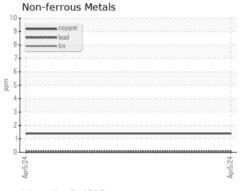
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

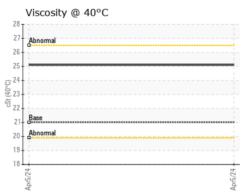
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0865213		
Sample Date		Client Info		05 Apr 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	1		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>20	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	2		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	1		
Tin	ppm	ASTM D5185m	>20	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		2		
Calcium	ppm	ASTM D5185m		2		
Phosphorus	ppm	ASTM D5185m		1627		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		13		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	1		
Water	%	ASTM D6304		NEG		
FLUID DEGRADA		method	limit/base		history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.5	1.78		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
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		
Free Water	scalar	*Visual		NEG	Submitted By:	SHA <u>W</u> N LAHE
i ioo watoi	Juanan	Visual		ITLG	,	

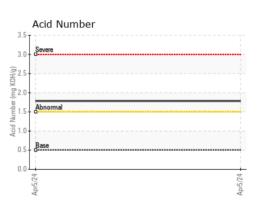


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history1

history1

history2

history2

no image

no image





Certificate 12367

Laboratory

Sample No. : WC0865213 Lab Number : 06148637

Unique Number : 10978715 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Apr 2024

Tested : 18 Apr 2024 Diagnosed

: 18 Apr 2024 - Jonathan Hester

WALASHEK INDUSTRIAL & MARINE INC 1428 MCKINLEY AVE

NATIONAL CITY, CA US 91950

Contact: BOB CLAGETT bobclagett@walashek.com T:

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)

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