

# **OIL ANALYSIS REPORT**

Sample Rating Trend







Machine Id B-6 Component Hydraulic System Fluid NOT GIVEN (--- QTS)

#### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

## Fluid Condition

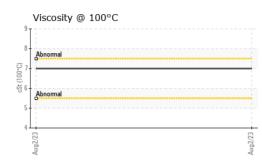
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0480845		
Sample Date		Client Info		02 Aug 2023		
Machine Age	mls	Client Info		176507		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	0		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>75	2		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		<1		
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		0		
Calcium	ppm	ASTM D5185m		36		
Phosphorus	ppm	ASTM D5185m		338		
Zinc	ppm	ASTM D5185m		453		
Sulfur	ppm	ASTM D5185m		4053		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	2972		
Particles >6µm		ASTM D7647	>1300	446		
Particles >14µm		ASTM D7647	>160	28		
Particles >21µm		ASTM D7647	>40	6		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/16/12		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.37		
3:02:45) Bev: 1	ing noring		<b>a</b>			

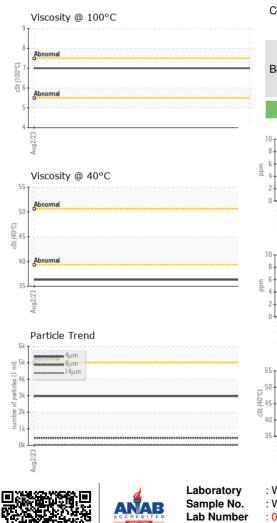
Contact/Location: CHARLES WISHARD - CARPORVA



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	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	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.1	NEG		
	Free Water	scalar	*Visual		NEG		
	FLUID PROPERT	IES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445		36.3		
	Visc @ 100°C	cSt	ASTM D445		7		
	Viscosity Index (VI)	Scale	ASTM D2270		157		
				line it /le e e e			
_	SAMPLE IMAGES	>	method	limit/base	current	history1	history2
c7/78nH	Color				•	no image	no image
	Bottom					no image	no image
	GRAPHS						
	Ferrous Alloys				Particle Count		
				491,520	I		T <sup>26</sup>
	assesses chromium			122,880			-24
	4 4			30,720	Severe		-22
	2 -						
	0 23			い こ こ こ 一 一 7,680 こ 7,680	Abnormal		-20
	Aug2/23			Aug2/23 (per 1 ml)			-18
	Non-ferrous Metal	_		· 空 480			16
	<sup>10</sup> T	5		of ba			+20 +18 +16 +14 +12
	8 - copper			ag 120			-14
				30			-12
,	2			8			10
	0					/	
	Aug2/23			Aug2/23	••••••		-8
	Au			ny 04	<u> </u>		6
	Viscosity @ 40°C				Acid Number	14μ 21μ	38µ 71µ
	55 Abnormal			(B <sup>0.40</sup>			
U.	50 - <b>A</b> bnormal			(0,40 HOX 0.30 June turne turn	•		
C+ //U	E 45			ja 0.20	+		
Ĩ	40 Abnormal						
	35			00.0 Acid	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
	Aug2/23			Aug2/23	Aug2/23		
	4			A	4		
er	: 06015755	01 Madi Receive Diagnos Diagnos	d : 22   ed : 27	ry, NC 27513 Nov 2023 Nov 2023 athan Hester			PORTSMOUT 5 WATSON S TSMOUTH, V US 2370
kage	: MOB 2 ( Additional <sup>-</sup>	Fests: K	/100, VI)			Contact: CHAR	

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)

Certificate L2367

F:

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