

[1025656]

## **OIL ANALYSIS REPORT**

#### Sample Rating Trend

VISCOSITY

LCT-2 (S/N T27766) Component Hydraulic System Fluid

CONOCO MEGAFLOW AW 46 (--- GAL)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

Area

All component wear rates are normal.

#### Contamination

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

### Fluid Condition

The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

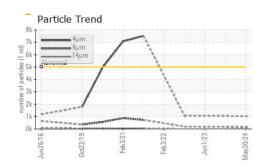
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0926846	WC0808465	WC0803169
Sample Date		Client Info		30 May 2024	26 Feb 2024	01 Jun 2023
Machine Age	hrs	Client Info		3051	2990	2884
Oil Age	hrs	Client Info		300	100	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ATTENTION	ATTENTION	ATTENTION
CONTAMINATIO	N	method	limit/base		history1	
Water		WC Method		NEG	NEG	history2 NEG
WEAR METALS		method	limit/base	-	history1	history2
Iron		ASTM D5185m		6	6	7
-	ppm					
Chromium	ppm	ASTM D5185m		0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		0	<1	<1
Lead	ppm	ASTM D5185m	>10	0	<1	<1
Copper	ppm	ASTM D5185m	>75	4	4	4
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		0	<1	<1
Calcium	ppm	ASTM D5185m		27	24	28
Phosphorus	ppm	ASTM D5185m		321	337	314
Zinc	ppm	ASTM D5185m		361	387	377
Sulfur	ppm	ASTM D5185m		1586	1479	1667
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	1	1	<1
Sodium	ppm	ASTM D5185m		6	6	0
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1019		
Particles >6µm		ASTM D7647	>1300	170		
Particles >14µm		ASTM D7647	>160	27		
Particles >21µm		ASTM D7647	>40	9		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/12		
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.38	0.28		
·17:31) Bev: 1	39				ion: Maximo Ba	nctel - TI DNOF

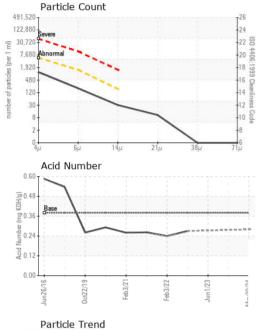
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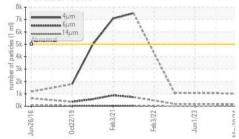
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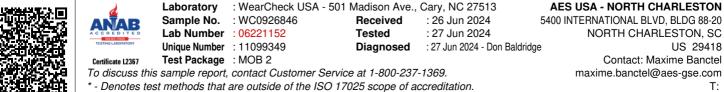
# **OIL ANALYSIS REPORT**







VISUAL		method	limit/base	current	history1	history2
Vhite Metal	scalar	*Visual	NONE	NONE	NONE	NONE
ellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
recipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
ebris	scalar	*Visual	NONE	NONE	NONE	NONE
and/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
ppearance	scalar	*Visual	NORML	NORML	NORML	NORML
dor	scalar	*Visual	NORML	NORML	NORML	NORML
mulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
ree Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
'isc @ 40°C	cSt	ASTM D445	46	97.4	34.9	35.0
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color					• no image	no image
Bottom				(CAN)	no image	no image
GRAPHS						
Ferrous Alloys						
I EI I UUS AIIUVS				Particle Cou	int	
			491,52		int	T <sup>26</sup>
iron chromium	1				Int	
iron			122,88	0 Severe	Int	
iron		$\frown$		0 Severe	int	+24
iron			30,72	0 Severe	int	-24 -22
iron chromium nickel	3/22	123	122,88 30,72 7,68	Severe Abnormal	int	-24 -22
iron	Feb3/22	Jun1/23	122,88 30,72 7,68	Severe Abnormal	int	-24 -22
Jun26/16 Oct22/19 Feb3/21		Jun1/23	122,88 30,72 7,68	Severe	int	-24 -22
BU92unn Non-ferrous Metals		Part and the second sec	122,88 30,72 7,68	Desevere Desevere Desevere	int	-24 -22
Jun 26/16 Oct22/19 Feb3/21		Linut.	122,88 30,72 7,68	Desevere Desevere Desevere	int	-24 -22
BUGZTIN BUG		21/Inul	122,88 30,72 7,68 47,005 (fer L and sapputed to sappter d to	D Severe D Abnormal	int	-24 -22
BUGZTIN BUG		EZ/ImL	122,88 30,72 7,68 F200c/eew 48 48 48 40 jo aa 12 3	D Severe Abnormal	unt	-24 -22 -20 -18 -16 -14 -14
BUGZTIN BUG		Jun1/23	122,88 30,72 7,68 F200c/eew 48 48 48 40 jo aa 12 3	D Severe D Abnormal	unt	-24 -22 -20 -18 -16 -14 -14
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II CICEPT		Jun1/23	122,88 30,72 7,68 †5706/eW 1.92 1.92 48 1.92 7.68 1.92 48 1.93 48 1.93 48 1.93 48 1.93 48 1.93 48 1.93 48 1.93 48 1.93 48 1.93 48 1.93 48 48 1.94 48 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 1.94 1.94 1.94 1.94 1.94 1.94 1.94	D Severe D Abnormal D A A A A A A A A A A A A A A A A A A	unt	-24 -24 -22 -18 -16 -14 -14 -12 -10 -8
Non-ferrous Metals	5		122,88 30,72 7,68 †5706/eW 1.92 1.92 48 1.92 7.68 1.92 48 1.93 48 1.93 48 1.93 48 1.93 48 1.93 48 1.93 48 1.93 48 1.93 48 1.93 48 1.93 48 48 1.94 48 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 1.94 1.94 1.94 1.94 1.94 1.94 1.94	D Severe D Abnormal D A Abnormal D A A A A A A A A A A A A A	14μ 21μ	-24 -22 -20 -18 -16 -14 -12 -10
BLIZZZPO BUZZZPO Non-ferrous Metals BUZZZPO Non-ferrous Metals BUZZZPO Uizcregi Viscosity @ 40°C	5		122,88 30,72 7.68 +6700E/keW +6700E/keW 48 48 48 48 48 48 48 48 48 48 48 48 48	Severe Abnormal Acid Number	14μ 21μ	-24 -22 -20 -18 -16 -14 -14 -12 -10 -8 -8
ICICEPH BUTCZ2PO Non-ferrous Metals BUTCZ2PO Non-ferrous Metals BUTCZ2PO BU	5		122,88 30,72 7.68 +6700E/keW +6700E/keW 48 48 48 48 48 48 48 48 48 48 48 48 48	Severe Abnormal Acid Number	14μ 21μ	-24 -22 -20 -18 -16 -14 -14 -12 -10 -8 -8
SUPPORT SUPPOR	5		122,88 30,72 7.68 +6700E/keW +6700E/keW 48 48 48 48 48 48 48 48 48 48 48 48 48	Severe Abnormal Acid Number	14μ 21μ	-24 -22 -20 -18 -16 -14 -14 -12 -10 -8 -8
ICICEPH BUTCZ2PO Non-ferrous Metals BUTCZ2PO Non-ferrous Metals BUTCZ2PO BU	5		122,88 30,72 7.68 +6700E/keW +6700E/keW 48 48 48 48 48 48 48 48 48 48 48 48 48	Severe Abnormal Acid Number	14μ 21μ	-24 -22 -20 -18 -16 -14 -14 -12 -10 -8
SUPPORT SUPPOR	5		122,88 30,72 7.68 +6700E/keW +6700E/keW 48 48 48 48 48 48 48 48 48 48 48 48 48	Severe Abnormal Acid Number	14μ 21μ	-24 -22 -20 -18 -16 -14 -14 -12 -10 -8
SUPPORT SUPPOR	5		122,88 30,72 7,68 †5706/eW 1.92 1.92 48 1.92 7.68 1.92 48 1.93 48 1.93 48 1.93 48 1.93 48 1.93 48 1.93 48 1.93 48 1.93 48 1.93 48 1.93 48 48 1.94 48 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 48 1.94 1.94 1.94 1.94 1.94 1.94 1.94 1.94	Acid Number	14μ 21μ	-24 -22 -20 -18 -16 -14 -14 -12 -10 -8



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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