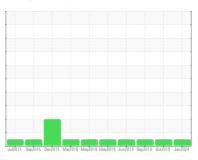


OIL ANALYSIS REPORT

Area 361.175 ABILITY CRANE (S/N 361.175)

Diesel Engine

CHEVRON DELO 400 MULTIGRADE 15W40 (41 GAL)



Sample Rating Trend



Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

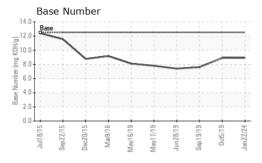
Fluid Condition

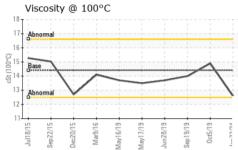
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

		Julzu15 Sepz	UIS DECEUTS Marzute Maya	019 May2019 Jun2019 Sep2019 Oct2	019 Jan2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0725468	WC0346400	WC04822755
Sample Date		Client Info		22 Jan 2024	05 Oct 2019	19 Sep 2019
Machine Age	hrs	Client Info		28418	4333	4082
Oil Age	hrs	Client Info		450	490	0
Oil Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	5	4	4
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	4	4	3
Lead	ppm	ASTM D5185m	>40	1	0	<1
Copper	ppm	ASTM D5185m		3	<1	<1
Tin	ppm		>15	<1	0	0
Antimony	ppm	ASTM D5185m			9	2
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	151	361	414	349
Barium	ppm	ASTM D5185m	0.4	1	<1	0
Molybdenum	ppm	ASTM D5185m	250	132	78	72
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m	0	620	392	380
Calcium	ppm	ASTM D5185m		1571	1427	1420
Phosphorus	ppm	ASTM D5185m	1043	684	894	802
Zinc	ppm	ASTM D5185m	943	816	984	992
Sulfur	ppm	ASTM D5185m	5012	2424	1426	2282
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7	6	5
Sodium	ppm	ASTM D5185m		1	2	4
Potassium	ppm	ASTM D5185m	>20	2	2	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.4	0.1	0.5
Nitration	Abs/cm	*ASTM D7624	>20	8.0	5.3	8
Sulfation	Abs/.1mm	*ASTM D7624	>30	23.3	19.7	21.8
FLUID DEGRADA		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25		14.8	16.8
Base Number (BN)		ASTM D2896	>25 12.5	17.8 8.9	8.9	7.6
Dase Mulliber (DIN)	mg KOH/g	49 LIVI D5030	12.5	0.9	0.5	7.0



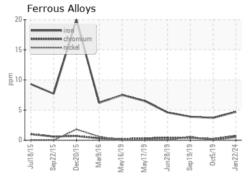
OIL ANALYSIS REPORT

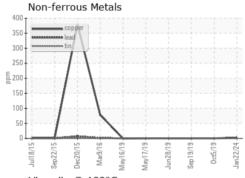


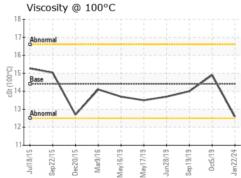


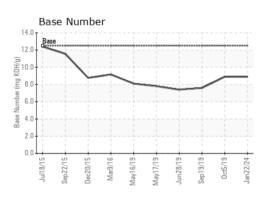
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

FLUID PROPERTIES		method				history2
Visc @ 100°C	cSt	ASTM D445	14.4	12.6	14.9	14.0













Certificate L2367

Laboratory Sample No.

Lab Number : 06133887 Unique Number : 10953352 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0725468

Received **Tested** Diagnosed

: 29 Mar 2024 : 01 Apr 2024 : 01 Apr 2024 - Wes Davis

CONVENT, LA US 70723 Contact: GREG JOSEY

To discuss this sample report, contact Customer Service at 1-800-237-1369.

gjosey@associatedterminals.com T:

ASSOCIATED TERMINALS - CRANE

* - 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: (225)562-3515