

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION ATTENTION

Ascendum Machinery/250 Hour Service

SANDVIK 16712

Tank Circulating Shank Lube

CITGO CITGO CITGEAR® Synthetic EP 150 (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

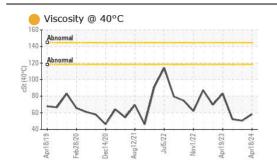
There is no indication of any contamination in the oil.

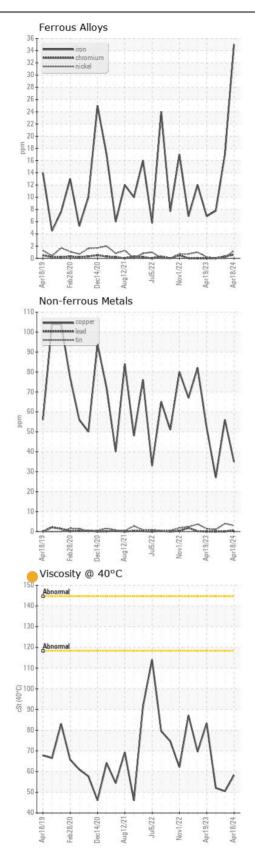
FLUID CONDITION

The oil viscosity is lower than normal. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0007501	ASC0001800	ASC0005434
Sample Date		Client Info		18 Apr 2024	17 Jan 2024	20 Oct 2023
Machine Age	hrs	Client Info		11892	11392	10901
Oil Age	hrs	Client Info		500	491	992
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	ATTENTION	ATTENTION
Iron	ppm	ASTM D5185m		35	17	8
Chromium	ppm	ASTM D5185m		<1	<1	0
Nickel	ppm	ASTM D5185m		1	0	0
Titanium	ppm	ASTM D5185m		1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		10	3	2
Lead	ppm	ASTM D5185m		<1	0	0
Copper	ppm	ASTM D5185m		35	56	27
Tin	ppm	ASTM D5185m		3	4	1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon		ASTM D5185m		35	20	3
Potassium	ppm ppm	ASTM D5185m	>20	6	3	0
Water	ррпі	WC Method	~20	NEG	NEG	NEG
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		NEG	NEG	NEG
Sodium		ASTM D5185m		E	1	.1
Boron	ppm	ASTM D5185m		5 13	14	<1 5
Barium	ppm	ASTM D5185m		3	5	0
Molybdenum	ppm ppm	ASTM D5185m		4	4	<1
Manganese		ASTM D5185m		-	0	<1
Magnesium	ppm ppm	ASTM D5185m		28	31	27
Calcium	ppm	ASTM D5185m		20 659	594	836
Phosphorus	ppm	ASTM D5185m		439	406	417
Zinc	ppm	ASTM D5185m		419	433	461
Sulfur	ppm	ASTM D5185m		3252	2997	2594
Visc @ 40°C	cSt	ASTM D3103III		52.52	50.5	52.1
	001	A0 I W D440		JU.2	- 00.0	- JZ. I

Submitted By: CLAYTON SMITH





MARTIN MARIETTA 4551 BEATTIES FORD ROAD CHARLOTTE, NC US 28216 Contact: TIM BYLES tim.byles@martinmarrietta.com T: (704)392-1333 106:2012) F:



 Certificate 12367
 Test Package
 : CONST
 CC

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

 * - 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)

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

Received

Diagnosed

Tested

: 23 Apr 2024

: 24 Apr 2024

: 25 Apr 2024 - Don Baldridge

Laboratory

Sample No.

Lab Number : 06158048

Unique Number : 10993471

: ASC0007501

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