

OIL ANALYSIS REPORT

Preparation-Prep NAR 650 [Preparation-Prep NAR 650] 360008011 - NAR 650 PLASTIFIER Component Gearbox

Fluid

SHELL OMALA S2 GX 320 (280 LTR)

Recommendation

Resample at the next service interval to monitor.

Wear

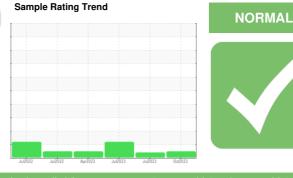
All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

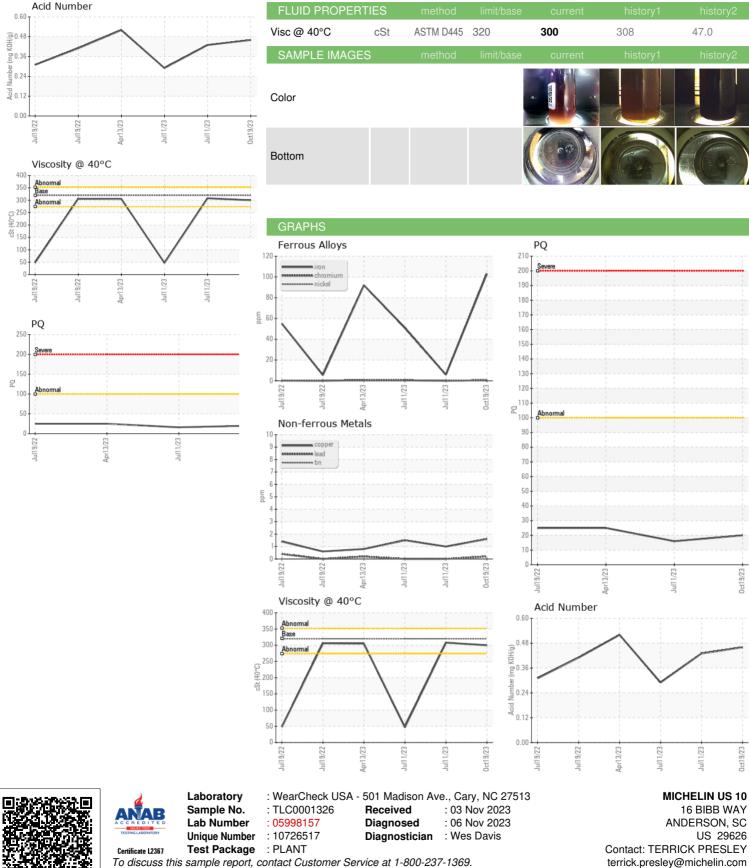
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TLC0001326	TLC0001319	TLC0001318
Sample Date		Client Info		19 Oct 2023	11 Jul 2023	11 Jul 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	MARGINAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		20	16	
Iron	ppm	ASTM D5185m	>200	103	51	6
Chromium	ppm	ASTM D5185m	>15	<1	<1	0
Nickel	ppm	ASTM D5185m	>15	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	<1
Lead	ppm	ASTM D5185m		<1	0	0
Copper	ppm	ASTM D5185m	>200	2	2	1
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
	ppm		11.0011/10.000			
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6.2	<1	<1	0
Barium	ppm	ASTM D5185m	0.0	19	0	0
Molybdenum	ppm	ASTM D5185m	0	0	<1	0
Manganese	ppm	ASTM D5185m		<1	1	0
Magnesium	ppm	ASTM D5185m	0	1	<1	55
Calcium	ppm	ASTM D5185m	0.0	7	4	12
Phosphorus	ppm	ASTM D5185m	290	272	206	259
Zinc	ppm	ASTM D5185m	3.8	18	4	316
Sulfur	ppm	ASTM D5185m	8167	13625	14552	1043
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3	5	<1
Sodium	ppm	ASTM D5185m		1	1	2
Potassium	ppm	ASTM D5185m	>20	1	2	3
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.46	0.43	0.29
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	🔺 MODER	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	Sul hn eided By:	DUSNIEGLOLLIS



OIL ANALYSIS REPORT



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)

Submitted By: DUSTY LOLLIS

Page 2 of 2

Jul11/23

16 BIBB WAY

T: (803)761-8053

US 29626

0ct19/23

Oct19/23

F:

47.0