



Mobile Fleet 348 - BOOM PIN CAVITY 348 - BOOM PIN CAVITY

Lower Gearbox

{not provided} (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated.

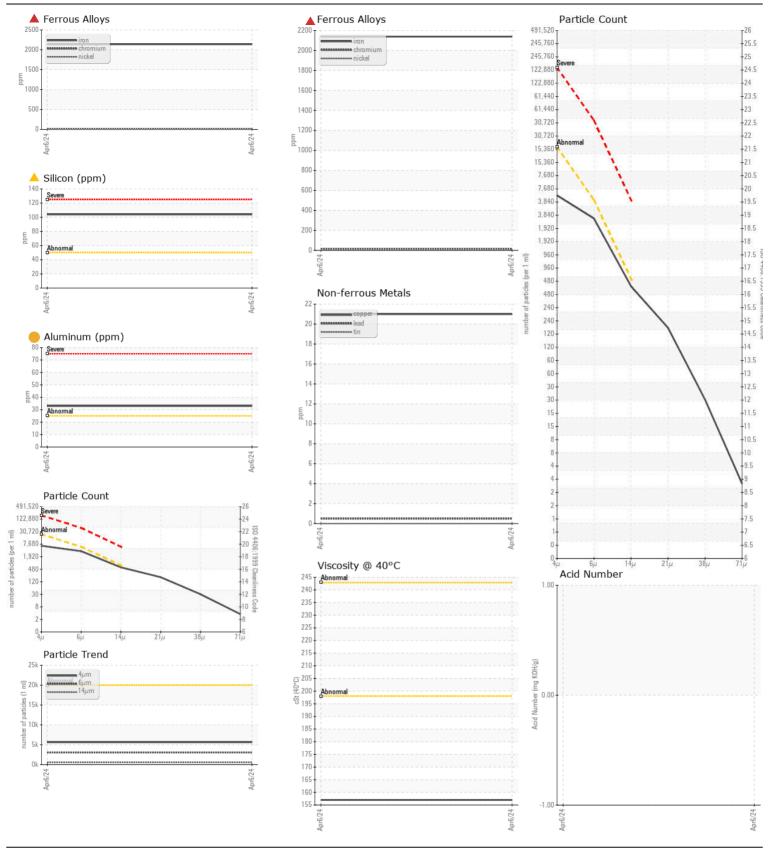
CONTAMINATION

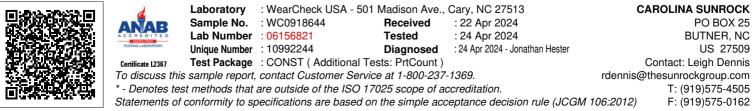
Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. The amount and size of particulates present in the system are acceptable.

FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Curr	ent	History1	History2
Sample Number		Client Info		WC09	918644		
Sample Date		Client Info		06 Ap	or 2024		
Machine Age	hrs	Client Info		3199	91		
Oil Age	hrs	Client Info		1209)		
Filter Age	hrs	Client Info		0			
Oil Changed		Client Info		Not C	hangd		
Filter Changed		Client Info		Not C	hangd		
Sample Status				SEV	ERE		
Iron	ppm	ASTM D5185m	>200	A 21	139		
Chromium	ppm	ASTM D5185m	>10	🔺 14	4		
Nickel	ppm	ASTM D5185m	>10	6			
Titanium	ppm	ASTM D5185m		3			
Silver	ppm	ASTM D5185m		<1	1		
Aluminum	ppm	ASTM D5185m	>25	<mark>)</mark> 33	-		
Lead	ppm	ASTM D5185m	>50	<1	1		
Copper	ppm	ASTM D5185m	>200	21	1		
Tin	ppm	ASTM D5185m	>10	0			
Vanadium	ppm	ASTM D5185m		<1	1		
White Metal	scalar	*Visual	NONE	N	ONE		
Yellow Metal	scalar	*Visual	NONE	N	ONE		
Silicon	ppm	ASTM D5185m	>50		04		
Potassium	ppm	ASTM D5185m	>20	10	-		
Water		WC Method	>0.2		EG		
Particles >4µm		ASTM D7647	>20000		637		
Particles >6µm		ASTM D7647	>5000		071		
Particles >14µm		ASTM D7647	>640		23		
Particles >21µm		ASTM D7647	>160		76		
Particles >38µm		ASTM D7647	>40	27	(
Particles >71µm		ASTM D7647	>10	3			
Oil Cleanliness		ISO 4406 (c)	>21/19/16)/19/16		
Silt	scalar	*Visual	NONE		ONE		
Debris	scalar	*Visual	NONE		ONE		
Sand/Dirt	scalar	*Visual	NONE		ONE		
Appearance	scalar	*Visual	NORML				
Odor	scalar	*Visual *Visual	NORML				
Emulsified Water	scalar	visual	>0.2	N	EG		
Sodium	ppm	ASTM D5185m		10	D		
Boron	ppm	ASTM D5185m		15	-		
Barium	ppm	ASTM D5185m		0			
Molybdenum	ppm	ASTM D5185m		4			
Manganese	ppm	ASTM D5185m		23			
Magnesium	ppm	ASTM D5185m		18			
Calcium	ppm	ASTM D5185m			29		
Phosphorus	ppm	ASTM D5185m			B9		
Zinc	ppm	ASTM D5185m			95		
Sulfur	ppm	ASTM D5185m			5863		
Visc @ 40°C	cSt	ASTM D445			57		
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Contact/Location: Leigh Dennis - CARBUTNC Page 2 of 2