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## Before Filtration

TEST	METHOD	UNIT	SPECIFICATION	RESULT
Barium	ASTM D5185-09(MOD)	mg / kg	Report	<1
Calcium	ASTM D5185-09(MOD)	mg / kg	Report	<1
Light Obscuration	Light Obscuration	counts / 100ml		
5 to 15 microns	Light Obscuration	counts / 100ml	Report	804107
15 to 25 microns	Light Obscuration	counts / 100ml	Report	520
25 to 50 microns	Light Obscuration	counts / 100ml	Report	120
50 to 100 microns	Light Obscuration	counts / 100ml	Report	40
100+ microns	Light Obscuration	counts / 100ml	Report	0
Oil conforms to NAS 1638 Class	Light Obscuration		Report	12

REMARKS : High particle counts. Check and service filter. Improve filter efficiency to remove the dirt particles in oil. Improve breather efficiency if possible. Oil is fit for further used once dirt particles is removed in oil.

APPROVED SIGNATORY



All work is carried out in accordance with our Standard Terms and Conditions of Business, a copy of which will be supplied on request.

## After Filtration

TEST	METHOD	UNIT	SPECIFICATION	RESULT
Zinc	ASTM D5185-09(MOD)	mg / kg	Report	162
Barium	ASTM D5185-09(MOD)	mg / kg	Report	<1
Calcium	ASTM D5185-09(MOD)	mg / kg	Report	<1
Light Obscuration	Light Obscuration	counts / 100ml		
5 to 15 microns	Light Obscuration	counts / 100ml	Report	47987
15 to 25 microns	Light Obscuration	counts / 100ml	Report	400
25 to 50 microns	Light Obscuration	counts / 100ml	Report	53
50 to 100 microns	Light Obscuration	counts / 100ml	Report	0
100+ microns	Light Obscuration	counts / 100ml	Report	0
Oil conforms to NAS 1638 Class	Light Obscuration		Report	8

REMARKS : Normal, no action required. Oil is fit for further used. Resample for testing at normal intervals.

APPROVED SIGNATORY



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Application: Crane - Hydraulic  
Filtration Solution: GHH180PH



**NAS level 12 → NAS level 8 (filtration process within 12 hours)**